

## Publications

Reading <http://www.slac.stanford.edu/spires/find/hep/www/?rawcmd=FINN+A+SZIKLAI+and+CN+PHENIX&format=xmlpublic&SEQUENCE=ds&server=sunspi5>

### 1. Formation of dense partonic matter in relativistic nucleus-nucleus collisions at RHIC: Experimental evaluation by the PHENIX collaboration

Adcox, K., Adler, Stephen Scott, Afanasiev S., Csanad M., Csorgo T., Kiss, A., Ster, Andras Sziklai J., Vertesi R. *et. al.*, Nucl.Phys.**A757**: 184-283 (2005) [nucl-ex/0410003]. [IF: 1.95] Cited all-together [996](#) times.

Number of independent citations: 996

### 2. Saturation of azimuthal anisotropy in Au + Au collisions at $\sqrt{s_{NN}}^{1/2}$ 62-GeV to 200-GeV,

Adler, Stephen Scott, Afanasiev S., Aidala C., Csanad M., Csorgo T., Kiss, A., Ster, Andras Sziklai J., Vertesi R. *et. al.*, Phys.Rev.Lett**94**: 232302 (2005) [nucl-ex/0411040]. [IF: 7.489] Cited all-together [54](#) times.

1. **Influence of the non-flow effects and fluctuations on the  $v_2$  measurements at RHIC.**  
Zhu, Xianglei, Bleicher Marcus, Nukleonika**51S3**: S37-S41 (2006)
2. **Scaling of multiplicity and flow: pre-LHC trends and LHC surprises.**  
Torrieri, Giorgio, [arXiv:1012.2790].
3. [SELF CITATION] **A strongly coupled plasma is produced in Pb+Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV.**  
Lacey, Roy A., Taranenko, A., Ajitanand, N.N. *et. al.*, [arXiv:1011.6328].
4. [SELF CITATION] **An Experimental Exploration of the QCD Phase Diagram: The Search for the Critical Point and the Onset of De-confinement**  
Aggarwal, M.M., Aggarwal, M.M., Ahammed, Z. *et. al.*, [arXiv:1007.2613].
5. **PHENIX and the Reaction Plane: Recent Results,**  
Winter, David L., J.Phys.Conf.Ser.**230**: 012017 (2010) [arXiv:1004.4405].
6. **Relativistic Dissipative Hydrodynamic Equations at the Second Order for Multi-Component Systems with Multiple Conserved Currents**  
Monnai, Akihiko, Hirano, Tetsufumi, Nucl.Phys.**A847**: 283-314 (2010) [arXiv:1003.3087].
7. [SELF CITATION] **Methodology for the study of modified jet-like topologies in heavy ion collisions via three particle correlation functions**  
Ajitanand, N.N., Alexander, J.M., Lacey, Roy A. *et. al.*, [arXiv:0911.4197].
8. **Relativistic hydrodynamical model in the presence of long-range correlations.**  
Osada, T., Phys.Rev.**C81**: 024907 (2010) [arXiv:0911.2303].
9. [SELF CITATION] **Identified particle production, azimuthal anisotropy, and interferometry measurements in Au+Au collisions at  $\sqrt{s_{NN}}^{1/2} = 9.2$ - GeV.**  
Abelev, B.I., Aggarwal, M.M., Ahammed, Z. *et. al.*, Phys.Rev.**C81**: 024911 (2010) [arXiv:0909.4131].
10. **Footprints of the (Nearly) Perfect Liquid,**  
Tang, Aihong, Nucl.Phys.**A830**: 673C-680C (2009) [arXiv:0907.4513].
11. **Can the energy dependence of elliptic flow reveal the QGP phase transition?.**  
Heinz, Ulrich W., Nucl.Phys.**A830**: 287C-290C (2009) [arXiv:0907.4256].
12. **Event anisotropy  $v_2$  at STAR,**  
Shi, Shusu, Nucl.Phys.**A830**: 187C-190C (2009) [arXiv:0907.2265].
13. **Elliptic Flow: A Study of Space-Momentum Correlations In Relativistic Nuclear Collisions,**  
Sorensen, Paul, [arXiv:0905.0174].
14. **Effects of Bulk Viscosity at Freezeout,**  
Monnai, Akihiko, Hirano, Tetsufumi, Phys.Rev.**C80**: 054906 (2009) [arXiv:0903.4436].
15. **A parton recombination approach to heavy ion collisions at RHIC and LHC.**  
Krieg, Daniel, [arXiv:0901.3617].
16. **Angular Dependence of Jet Quenching Indicates Its Strong Enhancement Near the QCD Phase Transition**  
Liao, Jinfeng, Shuryak, Edward, Phys.Rev.Lett.**102**: 202302 (2009) [arXiv:0810.4116].
17. **Hydrodynamic radial and elliptic flow in heavy-ion collisions from AGS to LHC energies,**  
Kestin, Gregory, Heinz Ulrich W., Eur.Phys.J.**C61**: 545-552 (2009) [arXiv:0806.4539].
18. **Strange hadron elliptic flow from 200-GeV Cu+Cu collisions,**  
Shi, Shusu, [arXiv:0806.0763].
19. **System size and beam energy dependence of azimuthal anisotropy from PHENIX,**  
Issah, Michael, J.Phys.**G35**: 104103 (2008) [arXiv:0805.4039].
20. [SELF CITATION] **Charged hadron multiplicity fluctuations in Au+Au and Cu+Cu collisions from  $\sqrt{s_{NN}} = 22.5$  to 200 GeV,**  
Adare, A., Adler, S.S., Afanasiev, S., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*, Phys.Rev.**C78**: 044902 (2008) [arXiv:0805.1521].
21. **Dissipative hydrodynamics and heavy ion collisions,**  
Chaudhuri, A.K., J.Phys.**G35**: 104015 (2008) [arXiv:0804.3458].
22. [SELF CITATION] **Experimental and theoretical investigation of relativistic heavy ion collisions at RHIC: With focus on non-central collisions,**  
Csanad, M.,
23. **Viscous fluid dynamics in Au+Au collisions at RHIC,**  
Chaudhuri, A.K., [arXiv:0801.3180].

24. **Importance of correlations and fluctuations on the initial source eccentricity in high-energy nucleus-nucleus collisions**  
Alver, B., Back, B.B., Baker, M.D. *et. al.*,  
Phys.Rev.C77: 014906 (2008) [arXiv:0711.3724].
25. [SELF CITATION] **An Estimate for the location of QCD critical end point**  
Lacey, Roy A., Ajitanand, N.N., Alexander, J.M. *et. al.*,  
[arXiv:0708.3512].
26. **Saturation of elliptic flow and shear viscosity**  
Chaudhuri, A.K.,  
[arXiv:0708.1252].
27. **Predictions for the LHC heavy ion programme**  
Borghini, Nicolas, Wiedemann, Urs Achim,  
J.Phys.GG35: 023001 (2008) [arXiv:0707.0564].
28. [SELF CITATION] **CMS physics technical design report: Addendum on high density QCD with heavy ions**  
d'Enterria, David G., (Ed.), Ballintijn, M., (Ed.), Bedjidian, M., (Ed.) *et. al.*,  
J.Phys.GG34: 2307-2455 (2007)
29. **Jet modification and a comparative study of hadron  $v(2)$  measurements in  $s(NN)^{1/2} = 200$ -GeV Au + Au collisions at RHIC-PHENIX**  
Vazquez, Eric,  
Int.J.Mod.Phys.E16: 1901-1905 (2007) [arXiv:0705.0850].
30. [SELF CITATION] **Elliptic flow for phi mesons and (anti)deuterons in Au + Au collisions at  $s(NN)^{1/2} = 200$ -GeV**  
Afanasev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.Lett.99: 052301 (2007) [nucl-ex/0703024].
31. **Mapping out the jet correlation landscape: A Perspective from PHENIX experiment**  
Jia, Jiang-yong,  
Int.J.Mod.Phys.E16: 3058-3081 (2008) [nucl-ex/0702048].
32. **Recent results for source function imaging from AGS through CERN SPS to RHIC**  
Lacey, Roy A.,  
Braz.J.Phys.37: 893-902 (2007) [nucl-ex/0701026].
33. [SELF CITATION] **Mass, quark-number, and  $\sqrt{s(NN)}$  dependence of the second and fourth flow harmonics in ultra-relativistic nucleus-nucleus collisions**  
Abelev, B.I., Aggarwal, M.M., Ahammed, Z. *et. al.*,  
Phys.Rev.C75: 054906 (2007) [nucl-ex/0701010].
34. [SELF CITATION] **Quark-Gluon Matter**  
d'Enterria, David G.,  
J.Phys.GG34: S53-S82 (2007) [nucl-ex/0611012].
35. **What do elliptic flow measurements tell us about the matter created in the little bang at RHIC?**  
Lacey, Roy A., Taranenko, Arkadij,  
PoSCFRNC2006: 021 (2006) [nucl-ex/0610029].
36. **Latest results on the hot-dense partonic matter at RHIC**  
Leitch, Michael J.,  
Eur.Phys.J.A31: 868-874 (2007) [nucl-ex/0610015].
37. **Ways to constrain the away side jet in Au + Au collisions in PHENIX**  
Jia, Jiangyong  
Nucl.Phys.A783: 501-506 (2007) [nucl-ex/0609009].
38. **Heavy quarks and quarkonia**  
Drapier, Olivier,  
Nucl.Phys.774: 325-334 (2006)
39. **Elliptic flow in a final state interaction model**  
Capella, A., Ferreira, E.G.,  
[hep-ph/0604184].
40. **Scaling Characteristics of Azimuthal Anisotropy at RHIC**  
Issah, Michael, Taranenko, Arkadij,  
[nucl-ex/0604011].
41. **Elliptic flow and fixed p(T) suppression in a final state interaction model**  
Capella, A., Ferreira, E.G.,  
Phys.Rev.C75: 024905 (2007) [hep-ph/0602196].
42. **Elliptic flow analysis at RHIC with the Lee-Yang zeroes method in a relativistic transport approach**  
Zhu, Xiang-lei, Bleicher, Marcus, Stoecker, Horst,  
J.Phys.GG32: 2181-2186 (2006) [nucl-th/0601049].
43. **'RHIC serves the perfect fluid': Hydrodynamic flow of the QGP**  
Heinz, Ulrich W.,  
[nucl-th/0512051].
44. **The Role of elliptic flow correlations in the discovery of the sQGP at RHIC**  
Lacey, Roy A.,  
Nucl.Phys.A774: 199-214 (2006) [nucl-ex/0510029].
45. **Elliptic flow analysis at RHIC: Fluctuations vs. non-flow effects**  
Zhu, Xiang-lei, Bleicher, Marcus, Stoecker, Horst,  
Phys.Rev.C72: 064911 (2005) [nucl-th/0509081].
46. **Triple-quark elastic scatterings and thermalization**  
Xu, Xiao-Ming, Ru, Peng, Weber, H.J. *et. al.*,  
Phys.Lett.B629: 68-76 (2005) [hep-ph/0509046].
47. **Probing dense partonic matter at RHIC**  
Jacak, Barbara,  
J.Phys.Conf.Ser.50: 22-33 (2006) [nucl-ex/0508036].
48. **A Model of jet quenching in ultrarelativistic heavy ion collisions and high-p(T) hadron spectra at RHIC**  
Lokhtin, I.P., Snigirev, A.M.,  
Eur.Phys.J.C45: 211-217 (2006) [hep-ph/0506189].
49. **Scaling properties of azimuthal anisotropy of mesons and baryons at RHIC**  
Taranenko, Arkadij,  
Acta Phys.Hung.A25: 371-379 (2006) [nucl-ex/0506019].
50. **Equation of state and collective dynamics**  
Heinz, Ulrich W.,  
J.Phys.Conf.Ser.50: 230-237 (2006) [nucl-th/0504011].
51. [SELF CITATION] **First analysis of anisotropic flow with Lee-Yang zeroes**  
Bastid, N., Andronic, A., Barret, V. *et. al.*,  
Phys.Rev.C72: 011901 (2005) [nucl-ex/0504002].
52. [SELF CITATION] **Decomposition of harmonic and jet contributions to particle-pair correlations at ultra-relativistic energies**  
Ajitanand, N.N., Alexander, J.M., Chung, P. *et. al.*,  
Phys.Rev.C72: 011902 (2005) [nucl-ex/0501025].

53. **Hydrodynamics at RHIC - How well does it work, where and how does it break down?**,  
Heinz, Ulrich W.,  
J.Phys.GG31: S717-S724 (2005) [nucl-th/0412094].
54. [SELF CITATION] **Formation of dense partonic matter in relativistic nucleus-nucleus collisions at RHIC: Experimental evaluation by the PHENIX collaboration**,  
Adcox, K., Adler, Stephen Scott, Afanasiev, S., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et al.*,  
Nucl.Phys.A757: 184-283 (2005) [nucl-ex/0410003].

Number of independent citations: 40

### 3. Improved measurement of double helicity asymmetry in inclusive midrapidity $\pi^0$ production for polarized p+p collisions at $\sqrt{s} = 200$ GeV,

Adler, Stephen Scott, Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et al.*,  
Phys.Rev.D73: 091102 (2006) [hep-ex/0602004]. [IF: 4.896] Cited all-together 24 times.

1. **Double helicity asymmetry of inclusive neutral pion production in polarized pp collisions at  $\sqrt{s} = 62.4$  GeV**,  
Aoki, Kazuya,
2. [SELF CITATION] **Leading-Order Determination of the Gluon Polarization from high-p(T) Hadron Electroproduction**  
Airapetian, A., Akopov, N., Akopov, Z., Kisselev, A. *et al.*,  
JHEP [arXiv:1002.3921].
3. **Next-to-Leading Order QCD Corrections to Heavy Quark Correlations in Longitudinally Polarized Hadron-Hadron Collisions**,  
Riedl, Johann, Schafer, Andreas, Stratmann, Marco,  
Phys.Rev.D80: 114020 (2009) [arXiv:0911.2146].
4. [SELF CITATION] **Double-Helicity Dependence of Jet Properties from Dihadrons in Longitudinally Polarized  $p+p$  Collisions at  $\sqrt{s} = 200$  GeV**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et al.*,  
Phys.Rev.D81: 012002 (2010) [arXiv:0910.1029].
5. **Spin Structure of the Nucleon - Status and Recent Results**,  
Kuhn, S.E., Chen, J.-P., Leader, E.,  
Prog.Part.Nucl.Phys.63: 1-50 (2009) [arXiv:0812.3535].
6. [SELF CITATION] **Inclusive cross section and double helicity asymmetry for  $\pi^0$  production in p+p collisions at  $\sqrt{s} = 62.4$  GeV**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et al.*,  
Phys.Rev.D79: 012003 (2009) [arXiv:0810.0701].
7. [SELF CITATION] **The Polarized gluon contribution to the proton spin from the double helicity asymmetry in inclusive  $\pi^0$  production in polarized p + p collisions at  $\sqrt{s} = 200$  GeV**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M., Ster, A., Sziklai, J., Vertesi, R. *et al.*,  
Phys.Rev.Lett.103: 012003 (2009) [arXiv:0810.0694].
8. **Extraction of characteristic constants in QCD with perturbative and nonperturbative methods**,  
Simolo, Claudia,  
[arXiv:0807.1501].
9. **Direct Measurement of the Gluon Polarisation in the Nucleon via Charmed Meson Production**,  
Aleksiev, M., Alexakhin, V.Yu., Alexandrov Yu. *et al.*,  
[arXiv:0802.3023].
10. [SELF CITATION] **Longitudinal double-spin asymmetry for inclusive jet production in p+p collisions at  $\sqrt{s} = 200$  GeV**,  
Abelev, B.I., Aggarwal M.M., Ahammed, Z. *et al.*,  
Phys.Rev.Lett.100: 232003 (2008) [arXiv:0710.2048].
11. **Intrinsic parton motion soft mechanisms and the longitudinal spin asymmetry  $A_{LL}$  in high energy pp  $\rightarrow \pi^0$** ,  
Anselmino, M., Boglione, M., D'Alesio, U. *et al.*,  
J.Phys.GG36: 015007 (2009) [arXiv:0710.1569].
12. **Transversely Polarized Drell-Yan Process and Soft Gluon Resummation in QCD**,  
Kawamura, Hiroyuki, Kodaira, Jiro, Tanaka, Kazuhiro,  
Prog.Theor.Phys.118: 581-656 (2007) [arXiv:0709.1752].
13. **The spin structure of the nucleon**,  
Vogelsang, W.,  
J.Phys.GG34: S149-S171 (2007)
14. **Anti-Hyperon polarization in high energy pp collisions with polarized beams**,  
Chen, Ye, Liang, Zuo-tang, Sichtermann, Ernst *et al.*,  
Phys.Rev.D78: 054007 (2008) [arXiv:0707.0534].
15. **Photoproduction of hadron pairs at fixed-target experiments**  
Hendlmeier, Christof, Stratmann, Marco, Schafer, Andreas,  
[arXiv:0706.3766].
16. **Longitudinal double spin asymmetry in jet production at STAR**  
Kowalik, Katarzyna,  
[arXiv:0706.2667].
17. [SELF CITATION] **Inclusive cross-section and double helicity asymmetry for  $\pi^0$  production in p + p collisions at  $\sqrt{s} = 200$  GeV: Implications for the polarized gluon distribution in the proton**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et al.*,  
Phys.Rev.D76: 051106 (2007) [arXiv:0704.3599].
18. **Exploring the polarization of gluons in the nucleon**,  
Stratmann, Marco, Vogelsang, Werner,  
J.Phys.Conf.Ser.69: 012035 (2007) [hep-ph/0702083].
19. **Double Helicity Asymmetry and Cross Section for eta Production in Polarized pp Collisions at PHENIX**,  
Ellinghaus, Frank,  
AIP Conf.Proc.915: 363-366 (2007) [hep-ex/0612031].
20. **Recent Results from RHIC & Some Lessons for Cosmic-Ray Physicists**,  
Klein, Spencer R.,  
Nucl.Phys.Proc.Suppl.175-176: 9-16 (2008) [nucl-ex/0611040].
21. **Spin physics**,  
Forte, Stefano, Goto, Yuji,  
[hep-ph/0609127].
22. [SELF CITATION] **Longitudinal double-spin asymmetry and cross section for inclusive jet production in polarized proton collisions at  $\sqrt{s} = 200$  GeV**,  
Abelev, B.I., Aggarwal M.M., Ahammed, Z. *et al.*,  
Phys.Rev.Lett.97: 252001 (2006) [hep-ex/0608030].
23. **Towards an understanding of nucleon spin structure: From hard to soft scales**,  
Bass, Steven D., Aidala, Christine A.,  
Int.J.Mod.Phys.A21: 4407-4424 (2006) [hep-ph/0606269].
24. **Hadron-pair photoproduction in longitudinally polarized lepton-nucleon collisions**,  
Hendlmeier, C., Stratmann, M., Schafer, A.,  
Eur.Phys.J.C48: 135-145 (2006) [hep-ph/0606096].

Number of independent citations: 17



29. **Dependence of elliptic flow on number of parton degrees of freedom.**  
Xu, Zhe, Greiner, Carsten,  
Phys.Rev.C81: 054901 (2010) [arXiv:1001.2912].
30. **On the critical exponent of  $\nu$  and a new exponent-less measure of fluidity.**  
Abir, Raktim, Mustafa, Munshi G.,  
[arXiv:1001.0692].
31. [SELF CITATION] **Detailed measurement of the  $Se^+ e^- S$  pair continuum in  $Sp+pS$  and  $Au+Au$  collisions at  $\sqrt{s_{NN}} = 200S$  GeV and implications for direct photon production.**  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.C81: 034911 (2010) [arXiv:0912.0244].
32. [SELF CITATION] **Critical Opalescence: An Optical Signature for a QCD Critical Point.**  
Csorgo, T.,  
PoSCPOD2009: 035 (2009) [arXiv:0911.5015].
33. [SELF CITATION] **Estimates of hadron azimuthal anisotropy from multiparton interactions in proton-proton collisions at  $\sqrt{s} = 14$  TeV.**  
d'Enterria, D., Eyyubova, G.Kh., Korotkikh, V.L. *et. al.*,  
Eur.Phys.J.C66: 173 (2010) [arXiv:0910.3029].
34. **Particle Production in  $Au+Au$  Collisions at  $s(NN)^{1/2} = 9.2$ -GeV.**  
Chen, Jiayun,  
PoSCPOD2009: 047 (2009) [arXiv:0910.0556].
35. **Elliptic Flow at Finite Shear Viscosity in a Kinetic Approach at RHIC.**  
Greco, V., Colonna, M., Di Toro, M. *et. al.*,  
Nucl.Phys.A834: 273C-275C (2010) [arXiv:0909.5314].
36. [SELF CITATION] **Identified particle production, azimuthal anisotropy, and interferometry measurements in  $Au+Au$  collisions at  $s(NN)^{1/2} = 9.2$ - GeV.**  
Abelev, B.I., Aggarwal, M.M., Ahammed, Z. *et. al.*,  
Phys.Rev.C81: 024911 (2010) [arXiv:0909.4131].
37. **The Effect of quark coalescence on conical signals.**  
Greco, Vincenzo, Torrieri, Giorgio, Noronha, Jorge *et. al.*,  
Nucl.Phys.A830: 785-788 (2009) [arXiv:0909.3366].
38. **Phase Transition Signature Results from PHENIX.**  
Mitchell, Jeffery T.,  
PoSCPOD2009: 006 (2009) [arXiv:0909.2587].
39. **Radiative energy loss and  $\nu(2)$  spectra for viscous hydrodynamics.**  
Dusling, Kevin, Moore, Guy D., Teaney, Derek,  
Phys.Rev.C81: 034907 (2010) [arXiv:0909.0754].
40. **Spatial correlators in strongly coupled plasmas.**  
Iqbal, Nabil, Meyer, Harvey B.,  
JHEP0911: 029 (2009) [arXiv:0909.0582].
41. **Initial eccentricity and constituent quark number scaling of elliptic flow in ideal and viscous dynamics.**  
Chaudhuri, A.K.,  
Phys.Rev.C81: 044905 (2010) [arXiv:0909.0376].
42. **Causal Viscous Hydrodynamics for Relativistic Heavy Ion Collisions.**  
Song, Huichao,  
[arXiv:0908.3656].
43. **System Size and Collision Energy Dependence of  $\nu(2)$  for Identified Charged Hadrons at RHIC-PHENIX.**  
Shimomura, Maya,  
Nucl.Phys.A830: 183C-186C (2009) [arXiv:0908.0052].
44. **Elliptic flow and incomplete equilibration.**  
Liu, J.L., Feng, Q.C., Wang, Q.S. *et. al.*,  
Phys.Rev.C79: 064905 (2009)
45. **A Summary of Bulk Dynamics from Quark Matter 2009.**  
Teaney, Derek,  
Nucl.Phys.A830: 891C-898C (2009) [arXiv:0907.4843].
46. **Highlights from PHENIX II: Exploring the QCD medium.**  
Vale, Carla M.,  
Nucl.Phys.A830: 66C-73C (2009) [arXiv:0907.4729].
47. **Highlights from STAR: Probing the early medium in heavy ion collisions.**  
Wang, Gang,  
Nucl.Phys.A830: 19C-26C (2009) [arXiv:0907.4504].
48. **Parton Propagation and Fragmentation in QCD Matter.**  
Accardi, Alberto, Arleo, Francois, Brooks, William K. *et. al.*,  
Riv.Nuovo Cim.32: 439-553 (2010) [arXiv:0907.3534].
49. **Jets and decays of resonances: Two mechanisms responsible for reduction of elliptic flow at the CERN Large Hadron Collider (LHC) and restoration of constituent quark scaling.**  
Eyyubova G., Bravina, L., Korotkih, V.L. *et. al.*,  
Phys.Rev.C80: 064907 (2009) [arXiv:0907.2190].
50. **Bulk Properties in  $Au+Au$  Collisions at  $s(NN)^{1/2} = 9.2$ - GeV in STAR Experiment at RHIC.**  
Kumar, Lokesh,  
Nucl.Phys.A830: 275C-278C (2009) [arXiv:0907.1943].
51. **Understanding the Role of Jet and Underlying Event in p+p and d+Au Collisions from PHENIX at RHIC.**  
Jia, Jiangyong  
[arXiv:0906.3776].
52. [SELF CITATION] **Results from PHENIX at RHIC.**  
Tannenbaum, M.J.,  
[arXiv:0906.0745].
53. **Is the quark gluon plasma produced in RHIC collisions strongly coupled?.**  
Lacey, Roy A., Taranenko, Arkadij, Wei, Rui,  
[arXiv:0905.4368].
54. **Colour-singlet clustering of partons and recombination model for hadronization of quark-gluon plasma.**  
Abir, Raktim, Mustafa, Munshi G.,  
Phys.Rev.C80: 051903 (2009) [arXiv:0905.4140].
55. **Particle production azimuthal asymmetries in a clustering of color sources.**  
Bautista, I., Cunqueiro, L., de Deus, J.Dias *et. al.*,  
J.Phys.GG37: 015103 (2010) [arXiv:0905.3058].
56. [SELF CITATION] **Systematic Studies of Elliptic Flow Measurements in  $Au+Au$  Collisions at  $s^{1/2} = 200$ -GeV.**  
Afanasiev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.C80: 024909 (2009) [arXiv:0905.1070].
57. **Elliptic Flow: A Study of Space-Momentum Correlations In Relativistic Nuclear Collisions.**  
Sorensen, Paul,  
[arXiv:0905.0174].

58. **Phases of QCD**,  
Roessner, Simon,
59. **Hadron Correlations in Jets and Ridges through Parton Recombination**  
Hwa, Rudolph C.,  
[arXiv:0904.2159].
60. **HYDJET++ simulations and reconstruction of the anisotropic flow in Pb+Pb collisions at the LHC**,  
Bravina, L.V., Eyyubova, G.Kh., Zabrodin, E.E. *et al.*,  
[arXiv:0903.5175].
61. [SELF CITATION] **High-pT  $\pi^0$  Production with Respect to the Reaction Plane in Au + Au Collisions at  $s(\text{NN})^{1/2} = 200\text{-GeV}$** ,  
Afnasiev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et al.*,  
Phys.Rev.C **80**: 054907 (2009) [arXiv:0903.4886].
62. **Effects of Bulk Viscosity at Freezeout**,  
Mommai, Akihiko, Hirano, Tetsufumi,  
Phys.Rev.C **80**: 054906 (2009) [arXiv:0903.4436].
63. **Nuclear modification factor of non-photonic electrons in heavy-ion collisions and the heavy-flavor baryon/meson ratio**,  
Oh, Yongseok, Ko, Che Ming,  
Phys.Rev.C **79**: 067902 (2009) [arXiv:0903.4166].
64. **Soft Physics from RHIC to LHC**,  
Steinberg, Peter,  
Nucl.Phys.A **827**: 128C-136C (2009) [arXiv:0903.1474].
65. **Heavy Quarks in the Quark-Gluon Plasma**,  
Rapp, Ralf, van Hees, Hendrik,  
[arXiv:0903.1096].
66. [SELF CITATION] **Correlation Probes of a QCD Critical Point**,  
Csorgo, T.,  
PoSHIGH-PTLHC08: 027 (2008) [arXiv:0903.0669].
67. **Equation of state at FAIR energies and the role of resonances**,  
Zabrodin, E.E., Arsene, I.C., Bleibel, J. *et al.*,  
J.Phys.G **G36**: 064065 (2009) [arXiv:0902.4601].
68. **Hadron production by quark combination in central Pb+Pb collisions at  $s(\text{NN})^{1/2} = 17.3\text{-GeV}$** ,  
Shao, Chang-en, Song, Jun, Shao, Feng-lan *et al.*,  
Phys.Rev.C **80**: 014909 (2009) [arXiv:0902.2435].
69. **Early collective expansion: Relativistic hydrodynamics and the transport properties of QCD matter**,  
Heinz, Ulrich W.,  
[arXiv:0901.4355].
70. **Quantifying Properties of the QCD Matter at RHIC**,  
Huang, Huan Zhong,  
J.Phys.G **G36**: 064008 (2009) [arXiv:0901.4178].
71. **Black holes and the quark-gluon plasma**,  
Siopsis, George,  
J.Phys.Conf.Ser. **189**: 012036 (2009) [arXiv:0901.4088].
72.  **$\phi$ -meson Production at RHIC energies using the PHENIX Detector**,  
Sharma, Deepali,  
J.Phys.G **G36**: 064023 (2009) [arXiv:0901.3362].
73. **The Chiral Restoration Transition of QCD and Low Mass Dileptons**,  
Rapp, R., Wambach, J., van Hees, H.,  
[arXiv:0901.3289].
74. [SELF CITATION] **Bose-Einstein or HBT correlations in high energy reactions**,  
Csorgo, T.,  
[arXiv:0901.0766].
75. **Hydrodynamical flow and hadron spectra in ultrarelativistic heavy ion collisions at RHIC and the LHC**,  
Niemi, Harri,
76. **QCD Matter Thermalization at RHIC and LHC**,  
Xu, Zhe, Cheng, Luan, El, Andrej *et al.*,  
J.Phys.G **G36**: 064035 (2009) [arXiv:0812.3839].
77. **Anisotropies in momentum space at finite Shear Viscosity in ultrarelativistic heavy-ion collisions**,  
Greco, V., Colonna, M., Di Toro, M. *et al.*,  
Prog.Part.Nucl.Phys. **G36**: 064035 (2009) [arXiv:0811.3170].
78. **Elliptic flow of gluon matter in ultrarelativistic heavy-ion collisions**,  
Xu, Zhe, Greiner, Carsten,  
Phys.Rev.C **79**: 014904 (2009) [arXiv:0811.2940].
79. **Azimuthal anisotropy: Ridges, recombination, and breaking of quark number scaling**,  
Chiu, Charles B., Hwa, Rudolph C., Yang, C.B.,  
Phys.Rev.C **78**: 044903 (2008)
80. **Centrality dependence of  $v(2)$  in Au + Au at  $S(\text{NN})^{1/2} = 200\text{-GeV}$** ,  
Masui, Hiroshi,  
Eur.Phys.J. **C62**: 169-173 (2009) [arXiv:0810.5414].
81. **Angular Dependence of Jet Quenching Indicates Its Strong Enhancement Near the QCD Phase Transition**,  
Liao, Jinfeng, Shuryak, Edward,  
Phys.Rev.Lett. **102**: 202302 (2009) [arXiv:0810.4116].
82. [SELF CITATION] **Experimental Study of Dense Matter at RHIC**,  
Akiba, Y.,  
Prog.Theor.Phys.Suppl. **174**: 88-102 (2008)
83. **Dilepton spectra in p+p and Au+Au collisions at RHIC**,  
Dahms, Torsten,  
[arXiv:0810.3040].
84. **Hadronic observables from Au+Au collisions at  $\sqrt{s(\text{NN})} = 200\text{ GeV}$  and Pb+Pb collisions at  $\sqrt{s(\text{NN})} = 5.5\text{ TeV}$  from a simple kinematic model**,  
Humanic, Thomas J.,  
Phys.Rev.C **79**: 044902 (2009) APPOA,B40,943-950.2009) [arXiv:0810.0621].
85. **Surface emission and elliptic flow**,  
Liu, J.L., Zhang, J.B., Tang, G.X. *et al.*,  
Phys.Rev.C **78**: 034911 (2008)
86. **Azimuthal anisotropy and fundamental symmetries in QCD matter at RHIC**,  
Okorokov, V.A.,  
[arXiv:0809.3130].
87. **Collective phenomena in non-central nuclear collisions**,  
Voloshin, Sergei A., Poskanzer, Arthur M., Snellings, Raimond,  
[arXiv:0809.2949].



117. **Identified particle correlations at RHIC: Medium interactions and modified fragmentation**,  
Sickles, Anne,  
*Acta Phys.Polon.Supp.* **1**: 647-650 (2008) [arXiv:0712.0317].
118. **Importance of correlations and fluctuations on the initial source eccentricity in high-energy nucleus-nucleus collisions**,  
Alver, B., Back, B.B., Baker, M.D. *et. al.*,  
*Phys.Rev.C* **77**: 014906 (2008) [arXiv:0711.3724].
119. **Phase-space coalescence for heavy and light quarks at RHIC**,  
Greco, V.,  
*Eur.Phys.J.ST* **155**: 45-59 (2008) [arXiv:0710.0486].
120. [SELF CITATION] **Quasi-Particle Degrees of Freedom versus the Perfect Fluid as Descriptors of the Quark-Gluon Plasma**,  
Linden Levy, L.A., Nagle J.L., Rosen, C. *et. al.*,  
*Phys.Rev.C* **78**: 044905 (2008) [arXiv:0709.3105].
121. [SELF CITATION] **An Estimate for the location of QCD critical end point**,  
Lacey, Roy A., Ajitanand, N.N., Alexander, J.M. *et. al.*,  
[arXiv:0708.3512].
122. [SELF CITATION] **Global properties of relativistic heavy-ion collisions proved by PHENIX**,  
Enokizono, A.,  
*Nucl.Phys.A* **787**: 37-43 (2007)
123. **Elliptic flow of deuterons in relativistic heavy-ion collisions**,  
Oh, Yongseok, Ko, Che Ming,  
*Phys.Rev.C* **76**: 054910 (2007) [arXiv:0707.3332].
124. **Predictions for the LHC heavy ion programme**,  
Borghini, Nicolas, Wiedemann, Urs Achim,  
*J.Phys.GG* **35**: 023001 (2008) [arXiv:0707.0564].
125. **What's the matter at RHIC?**,  
Granier de Cassagnac, Raphael,  
*Int.J.Mod.Phys.A* **22**: 6043-6056 (2007) [arXiv:0707.0328].
126. [SELF CITATION] **Disappearance of Squeezed Back-to-Back Correlations: A New signal of hadron freeze-out from a supercooled Quark Gluon Plasma**,  
Csorgo, T., Padula, Sandra S.,  
*Braz.J.Phys.* **37**: 949-962 (2007) [arXiv:0706.4325].
127. **Heavy quark jet tomography of Pb + Pb at LHC: AdS/CFT drag or pQCD energy loss?**,  
Horowitz, W.A., Gyulassy, M.,  
*Phys.Lett.B* **666**: 320-323 (2008) [arXiv:0706.2336].
128. [SELF CITATION] **The Heavy Ion Physics Program with ATLAS at the LHC**,  
Grau, N.,  
[arXiv:0706.1983].
129. **Phases of QCD: Summary of the Rutgers long range plan town meeting, January 12-14, 2007**,  
Jacobs, Peter, Kharzeev, Dmitri, Muller, Berndt *et. al.*,  
[arXiv:0705.1930].
130. **Quark Coalescence based on a Transport Equation**,  
Ravagli, L., Rapp, R.,  
*Phys.Lett.B* **655**: 126-131 (2007) [arXiv:0705.0021].
131. **The Centrality dependence of elliptic flow, the hydrodynamic limit, and the viscosity of hot QCD**,  
Drescher, Hans-Joachim, Dumitru, Adrian, Gombeaud, Clement *et. al.*,  
*Phys.Rev.C* **76**: 024905 (2007) [arXiv:0704.3553].
132. [SELF CITATION] **Measurement of density correlations in pseudorapidity via charged particle multiplicity fluctuations in Au+Au collisions at  $\sqrt{s(NN)} = 200$ -GeV**,  
Adler, Stephen Scott, Afanasiev, S., Aidala, C., Ster, Andras *et. al.*,  
*Phys.Rev.C* **76**: 034903 (2007) [arXiv:0704.2894].
133. **High p(T) physics in PHENIX**,  
Holzmann, W.G.,  
*Nucl.Phys.A* **783**: 73-80 (2007)
134. **System size and energy dependence of high p(T) hadron production measured with PHENIX experiment at RHIC**,  
Sakaguchi, Takao,  
*Int.J.Mod.Phys.E* **16**: 2166-2173 (2007) [nucl-ex/0703027].
135. [SELF CITATION] **PHENIX studies of the scaling properties of elliptic flow at RHIC**,  
Taranenko, A.,  
*J.Phys.GG* **34**: S1069-1072 (2007) [nucl-ex/0703025].
136. [SELF CITATION] **Elliptic flow for phi mesons and (anti)deuterons in Au + Au collisions at  $\sqrt{s(NN)} = 200$ -GeV**,  
Afanasiev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*,  
*Phys.Rev.Lett.* **99**: 052301 (2007) [nucl-ex/0703024].
137. [SELF CITATION] **From Quark Gluon Plasma to a Perfect Fluid of Quarks and Beyond**,  
Csanad, M., Csorgo, T., Lorstad, B., Nagy, M., Ster, Andras,  
[nucl-th/0702045].
138. **Hotter, Denser, Faster, Smaller...and Nearly-Perfect: What's the matter at RHIC?**,  
Steinberg, Peter,  
*J.Phys.Conf.Ser.* **69**: 012032 (2007) [nucl-ex/0702020].
139. **Scaling of  $v(2)$  in heavy ion collisions**,  
Torriert, Giorgia,  
*Phys.Rev.C* **76**: 024903 (2007) [nucl-th/0702013].
140. **Jet correlations with identified particles from PHENIX: Methods and results**,  
Sickles, Anne,  
*Int.J.Mod.Phys.E* **16**: 3160-3167 (2008) [nucl-ex/0702007].
141. [SELF CITATION] **The PHENIX potential in the search for the QCD critical point**,  
Mitchell, J.T.,  
[nucl-ex/0701079].
142. **The Anisotropic flow coefficients  $v(2)$  and  $v(4)$  in Au + Au collisions at RHIC**,  
Bai, Yuting,  
*J.Phys.GG* **34**: S903-906 (2007) [nucl-ex/0701044].
143. **Identified particle jet correlations from PHENIX**,  
Sickles, Anne,  
*J.Phys.GG* **34**: S685-688 (2007) [nucl-ex/0701032].
144. **Recent results for source function imaging from AGS through CERN SPS to RHIC**,  
Lacey, Roy A.,  
*Braz.J.Phys.* **37**: 893-902 (2007) [nucl-ex/0701026].
145. [SELF CITATION] **Mass, quark-number, and  $\sqrt{s(NN)}$  dependence of the second and fourth flow harmonics in ultra-relativistic nucleus-nucleus collisions**,  
Abelev B.J., Aggarwal M.M., Ahammed, Z. *et. al.*,  
*Phys.Rev.C* **75**: 054906 (2007) [nucl-ex/0701010].



18. [SELF CITATION] Detailed measurement of the  $S e^+ e^- S$  pair continuum in  $S p+p S$  and  $A u+A u$  collisions at  $\sqrt{s_{NN}} = 200 S$  GeV and implications for direct photon production, Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*, *Phys. Rev. C* **81**: 034911 (2010) [arXiv:0912.0244].
19. Next-to-Leading Order QCD Corrections to Heavy Quark Correlations in Longitudinally Polarized Hadron-Hadron Collisions, Riedl, Johann, Schafer, Andreas, Stratmann, Marco, *Phys. Rev. D* **80**: 114020 (2009) [arXiv:0911.2146].
20. A pQCD-based description of heavy and light flavor jet quenching, Qin, Guang-You, Majumder, Abhijit, *Phys. Rev. Lett.* **105**: 262301 (2010) [arXiv:0910.3016].
21. Heavy Flavour Production in pp and Heavy Ion Collisions in QCD Up to LHC Energies, Merino, C., Pajares, C., Ryzhinskiy, M.M. *et. al.*, *Phys. Atom. Nucl.* **73**: 1781-1788 (2010) [arXiv:0910.2364].
22. Dileptons and Photons at RHIC Energies, Drees, Axel, *Nucl. Phys. A* **830**: 435C-442C (2009) [arXiv:0909.4976].
23. Nonperturbative enhancement of heavy quark-pair production in a strong  $S U(2)$  color field, Levai, Peter, Skokov, Vladimir, *Phys. Rev. D* **82**: 074014 (2010) [arXiv:0909.2323].
24. Enhanced dilepton radiation at RHIC, Toia, Alberica, *Prog. Part. Nucl. Phys.* **62**: 492-497 (2009)
25. An Explanation for Heavy Quark Energy Loss Puzzle by Flow Effects, Cheng, Luan, Wang, Enke, [arXiv:0908.0918].
26. Heavy Flavor Production and Energy Loss with Two-Particle Correlations at PHENIX, Engelmores, Tatia, *Nucl. Phys. A* **830**: 853C-856C (2009) [arXiv:0907.4813].
27. Open Heavy Flavor at PHENIX, Dion, Alan, collaboration, for the PHENIX, *Nucl. Phys. A* **830**: 765C-768C (2009) [arXiv:0907.4749].
28. D0 measurements in Au+Au Collisions at  $\sqrt{s_{NN}} = 200$ -GeV using the STAR Silicon Inner Tracker, LaPointe, Sarah, *Nucl. Phys. A* **830**: 627C-628C (2009) [arXiv:0907.4730].
29. Open Heavy Flavor Production in Heavy Ion Collisions, Dunlop, J.C., *Nucl. Phys. A* **830**: 419C-426C (2009) [arXiv:0907.4619].
30. Constraint fitting of experimental data with a jet quenching model embedded in a hydrodynamical bulk medium, Armesto, Nestor, Cacciari, Matteo, Hirano, Tetsufumi *et. al.*, *J. Phys. G* **37**: 025104 (2010) [arXiv:0907.0667].
31. [SELF CITATION] Results from PHENIX at RHIC, Tannenbaum, M.J., [arXiv:0906.0745].
32. Correlations of Electrons from Heavy Flavor Decay with Hadrons at PHENIX, Sickles, Anne, [arXiv:0905.2112].
33. Hard and Soft Physics at RHIC with implications for LHC, Tannenbaum, Michael J., *PoS* **37**: 025104 (2009) [arXiv:0904.4363].
34. [SELF CITATION] Measurement of Bottom versus Charm as a Function of Transverse Momentum with Electron-Hadron Correlations in p+p Collisions at  $\sqrt{s}=200$  GeV, Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et. al.*, *Phys. Rev. Lett.* **103**: 082002 (2009) [arXiv:0903.4851].
35. Production of charm and bottom quarks in  $S p+p S$  collisions at 200 GeV, Morino, Yuhei, [arXiv:0903.3504].
36. Heavy Quarks in the Quark-Gluon Plasma, Rapp, Ralf, van Hees, Hendrik, [arXiv:0903.1096].
37. Electromagnetic Probes, Tserruya, Itzhak, [arXiv:0903.0415].
38. Resolving the  $J/\psi$  RHIC puzzles at LHC, Bravina, L.V., Tywoniuk, K., Capella, A. *et. al.*, *J. Phys. G* **36**: 064054 (2009) [arXiv:0902.4664].
39. Soft Open Charm Production in Heavy-Ion Collisions, Pop, V.Topor, Barrette, J., Gyulassy, M., *Phys. Rev. Lett.* **102**: 232302 (2009) [arXiv:0902.4028].
40. Heavy quark diffusion as a probe of sQGP, Akamatsu, Yukinao, *Prog. Theor. Phys. Suppl.* **174**: 160-163 (2008)
41. Jet quenching, d'Enterria, David, [arXiv:0902.2011].
42. Open charm hadroproduction and the charm content of the proton, Kniehl, Bernd A., Kramer, Gustav, Schienbein, Ingo *et. al.*, *Phys. Rev. D* **79**: 094009 (2009) [arXiv:0901.4130].
43.  $J/\psi$  Transverse Momentum Distribution in High Energy Nuclear Collisions at RHIC, Liu, Yun-peng, Qu, Zhen, Xu, Nu *et. al.*, *Phys. Lett. B* **678**: 72-76 (2009) [arXiv:0901.2757].
44. Charmonium from Statistical Hadronization of Heavy Quarks: A Probe for Deconfinement in the Quark-Gluon Plasma, Braun-Munzinger, P., Stachel, J., [arXiv:0901.2500].
45. The viscosity to entropy density ratio from PHENIX data on single electron production, Auerbeck, Ralf, *J. Phys. G* **35**: 104115 (2008)
46. Measurement of the open charm cross-section in  $\sqrt{s_{NN}} = 200$ -GeV Cu + Cu collisions at the STAR experiment at RHIC, Shabetai, A., *J. Phys. G* **35**: 104112 (2008)

47. **High-p(T) identified particle spectra: The effective color-charge factor**,  
Xu, Zhangbu,  
J.Phys.GG35: 104009 (2008)
48. **Space-time Evolution of J/psi Production in High Energy Nuclear Collisions**,  
Liu, Yunpeng, Qu, Zhen, Xu, Nu *et. al.*,  
J.Phys.GG36: 064057 (2009) [arXiv:0901.1984].
49. **What we have (not)learned from the ultrarelativistic heavy ion collisions**,  
Paic, Guy,  
AIP Conf.Proc. 1116: 111-122 (2009) [arXiv:0901.1884].
50. [SELF CITATION] **Cold nuclear effects on heavy flavours(a review)**,  
Granier de Cassagnac, R.,  
J.Phys.GG36: 064024 (2009) [arXiv:0901.1647].
51. **Recent Heavy-Flavor results at STAR**,  
Xu, Zhang-bu,  
J.Phys.GG36: 064012 (2009) [arXiv:0901.0838].
52. **Measurement of Non-photonic Electrons in p + p Collisions at  $s(NN)^{1/2} = 200$ -GeV with reduced detector material in STAR**,  
Jin, F.,  
J.Phys.GG36: 064051 (2009) [arXiv:0901.0693].
53. [SELF CITATION] **Successes and failures with hard probes**,  
Tannenbaum, M.J.,  
Eur.Phys.J.C61: 747-759 (2009) [arXiv:0811.0532].
54. [SELF CITATION] **Measurement of Heavy Flavor and Quarkonia Production by PHENIX**,  
Brooks, M.L.,  
[arXiv:0810.4876].
55. **Forward and midrapidity charmonium production at RHIC**,  
Zhao, Xingbo, Rapp, Ralf,  
Eur.Phys.J.C62: 109-117 (2009) [arXiv:0810.4566].
56. [SELF CITATION] **Experimental Study of Dense Matter at RHIC**,  
Akiba, Y.,  
Prog.Theor.Phys.Suppl 174: 88-102 (2008)
57. **(Medium-modified) Fragmentation Functions**,  
Arleo, Francois,  
Eur.Phys.J.C61: 603-627 (2009) [arXiv:0810.1193].
58. **Heavy Quark Diffusion with Relativistic Langevin Dynamics in the Quark-Gluon Fluid**,  
Akamatsu, Yukinao, Hatsuda, Tetsuo, Hirano, Tetsufumi,  
Phys.Rev.C79: 054907 (2009) [arXiv:0809.1499].
59. **Measurement of charm production cross-section and leptons from its semileptonic decay at RHIC**,  
Zhang, Yifei,  
[arXiv:0809.1484].
60. **Charm hadron production at RHIC in combination model**,  
Yao, Tao, Zhou, Wei, Xie, Qu-Bing,  
Phys.Rev.C78: 064911 (2008) [arXiv:0809.0049].
61. **Nonphotonic electrons at RHIC within k(t)-factorization approach and with experimental semileptonic decay functions**,  
Luszczak, Marta, Maciula, Rafal, Szczurek, Antoni,  
Phys.Rev.D79: 034009 (2009) [arXiv:0807.5044].
62. **Charmonium and bottomonium production in heavy-ion collisions**,  
Rapp, R., Blaschke, D., Crochet, P.,  
Prog.Part.Nucl.Phys. 65: 209-266 (2010) [arXiv:0807.2470].
63. [SELF CITATION] **Heavy flavor in heavy-ion collisions at RHIC and RHIC II**,  
Frawley, Anthony D., Ullrich, T., Vogt, R.,  
Phys.Rept.462: 125-175 (2008) [arXiv:0806.1013].
64. **Statistical hadronization of charm: From FAIR to the LHC**,  
Andronic, A., Braun-Munzinger, P., Redlich, K. *et. al.*,  
J.Phys.GG35: 104155 (2008) [arXiv:0805.4781].
65. **High p(T) Identified Particle Spectra**,  
Xu, Zhangbu,  
[arXiv:0806.0200].
66. **Overview of charm production at RHIC**,  
Zhang, Yi-fei,  
J.Phys.GG35: 104022 (2008) [arXiv:0806.0079].
67. **Measurement of the Open Charm Cross-Section in 200-GeV Heavy-Ion Collisions at STAR**,  
Baumgart, Stephen L.,  
[arXiv:0805.4228].
68. **Measurement of charm and bottom production in p+p collisions at  $s^{1/2} = 200$ -GeV at RHIC-PHENIX**,  
Morino, Yuhei,  
J.Phys.GG35: 104116 (2008) [arXiv:0805.3871].
69. **Results from the PHENIX experiment at RHIC**,  
Pereira Da Costa, H.,  
J.Phys.GG35: 044002 (2008)
70. [SELF CITATION] **Heavy quark 'energy loss' and 'flow' in a QCD matter at RHIC**,  
Kim, D.J.,  
J.Phys.GG35: 044024 (2008)
71. [SELF CITATION] **Consequences of Lambda/c / D enhancement effect on the non-photonic electron nuclear modification factor in central heavy ion collisions at RHIC energy**,  
Martinez-Garcia, G., Gadrat, S., Crochet, P.,  
J.Phys.GG35: 044023 (2008)
72. [SELF CITATION] **Charmed hadron production at low transverse momentum in Au+Au collisions at RHIC**,  
Abelev, B.I., Aggarwal, M.M., Ahammed, Z. *et. al.*,  
[arXiv:0805.0364].
73. **e+e- pairs: A Clock and a thermometer of heavy ion collisions**,  
Toia, Alberica,  
J.Phys.GG35: 104037 (2008) [arXiv:0805.0153].
74. **Measurements of heavy quark production via single leptons at PHENIX**,  
Hornback, Donald,  
J.Phys.GG35: 104113 (2008) [arXiv:0804.4825].
75. **Up to and beyond ninth order in opacity: Radiative energy loss with GLV**,  
Wicks, Simon,  
[arXiv:0804.4704].

76. **Charmoniumdynamics in dA and AA at RHIC and LHC**,  
Tywoniuk, K., Bravina, L., Capella, A. *et. al.*,  
J.Phys.GG35: 104156 (2008) [arXiv:0804.4320].
77. **J/psi production in Cu + Cu collisions at 200-GeV per nucleon measured by the PHENIX experiment**,  
Rakotozafindrabe, Andry M.,
78. [SELF CITATION] **Dilepton mass spectra in p+p collisions at  $s^{*(1/2)} = 200$ -GeV and the contribution from open charm**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Lett.B670: 313-320 (2009) [arXiv:0802.0050].
79. [SELF CITATION] **Dihadron azimuthal correlations in Au+Au collisions at  $s(NN)^{(1/2)} = 200$ -GeV**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.C78: 014901 (2008) [arXiv:0801.4545].
80. **Charmoniumdissociation and recombination at RHIC and LHC**,  
Capella, A., Bravina, L., Ferreira, E.G. *et. al.*,  
Eur.Phys.J.C58: 437-444 (2008) [arXiv:0712.4331].
81. **Introductory lectures on jet quenching in heavy ion collisions**,  
Casalderrey-Solana, Jorge, Salgado, Carlos A.,  
Acta Phys.Polon.B38: 3731-3794 (2007) [arXiv:0712.3443].
82. **Heavy ion collisions phenomenology overview**,  
Salgado, Carlos A.,  
[arXiv:0711.4980].
83. [SELF CITATION] **J / psi suppression at forward rapidity as a potential probe for QGP formation in colour screening scenario**,  
Mishra, M., Singh, C.P., Menon, V.J.,  
[arXiv:0711.3359].
84. **Strangeness, charm and beauty in quark matter: SQM 2007 experimental overview**,  
Antinori, Federico  
J.Phys.GG35: 044055 (2008) [arXiv:0711.2472].
85. **Measurements of dilepton continuum at the PHENIX experiment at RHIC**,  
Toia, Alberica  
PoSCPOD07: 037 (2007) [arXiv:0711.2118].
86. **The STAR heavy flavour tracker**,  
Rose, A.,  
J.Phys.GG34: S715-S718 (2007)
87. **Heavy-quark and electromagnetic probes**,  
Averbeck, Ralf,  
J.Phys.GG34: S567-S574 (2007)
88. [SELF CITATION] **Systematics of high p(T) hadron spectra**,  
Velkovska, J.,  
J.Phys.GG34: S353-S360 (2007)
89. **PHENIX highlights. I: Propagation of partons in a coloured medium**  
Lajoie, John,  
J.Phys.GG34: S191-S198 (2007)
90. **The IceCube Collaboration: Contributions to the 30th International Cosmic Ray Conference (ICRC 2007)**,  
[arXiv:0711.0353].
91. **J/psi production in high energy heavy ion collisions at RHIC**,  
Gunji, Taku,
92. [SELF CITATION] **Consequences of a Lambda(c)D enhancement effect on the non-photon electron nuclear modification factor in central heavy ion collisions at RHIC energy**,  
Martinez-Garcia, G., Gadrat, S., Crochet, P.,  
Phys.Lett.B663: 55-60 (2008) ERRAT,B666,533.2008) [arXiv:0710.2152].
93. **Statistical hadronization of charm quarks in ultra-relativistic nucleus-nucleus collisions**  
Andronic, Anton, Braun-Munzinger, Peter, Redlich, Krzysztof *et. al.*,  
PoSCPOD07: 044 (2007) [arXiv:0710.1851].
94. **Charm Production at RHIC**,  
Knospe, A.G.,  
eConfC070805: 10 (2007) [arXiv:0710.1051].
95. **Measurement of the open charm cross-section in  $s(NN)^{(1/2)} = 200$ -GeV Cu + Cu collisions at STAR**,  
Baumgart, Stephen,  
[arXiv:0709.4223].
96. **The Total charm cross-section**,  
Vogt, R.,  
Eur.Phys.J.ST155: 213-222 (2008) [arXiv:0709.2531].
97. **Thermal charm production in a quark-gluon plasma in Pb-Pb collisions at  $s^{*(1/2)}(NN) = 5.5$ -TeV**,  
Zhang, Ben-Wei, Ko, Che-Ming, Liu, Wei,  
Phys.Rev.C77: 024901 (2008) [arXiv:0709.1684].
98. **Charmonium and open charm production in nuclear collisions at SPS/FAIR energies and the possible influence of a hot hadronic medium**  
Andronic, A., Braun-Munzinger, P., Redlich, K. *et. al.*,  
Phys.Lett.B659: 149-155 (2008) [arXiv:0708.1488].
99. [SELF CITATION] **J / psi suppression in Au+Au collisions at RHIC: Colour screening scenario in the bag model at variable participant numbers**,  
Mishra, M., Singh, C.P., Menon, V.J. *et. al.*,  
Phys.Lett.B656: 45-50 (2007) [arXiv:0707.2641].
100. [SELF CITATION] **Measurements of Hard-Scattering by PHENIX at RHIC**,  
Tannenbaum, M.J.,  
Nucl.Phys.Proc.Suppl.177-178: 150-155 (2008) [arXiv:0707.1679].
101. **Open Charm Production in pp and Heavy Ion Collisions in QCD**,  
Merino, C., Pajares, C., Shabelski, Yu.M.,  
eConfC0706044: 20 (2007) [arXiv:0707.0946].
102. [SELF CITATION] **Enhancement of the dielectron continuum in  $s(NN)^{(1/2)} = 200$ -GeV Au+Au collisions**,  
Afanasiev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.Lett.C0706044: 20 (2009) [arXiv:0706.3034].
103. **Hard QCD probes to quark-gluon plasma**,  
Salgado, Carlos A.,  
Prog.Theor.Phys.Suppl.168: 355-363 (2007) [arXiv:0706.2264].
104. [SELF CITATION] **Transverse momentum and centrality dependence of dihadron correlations in Au+Au collisions at  $s(NN) = 200$ -GeV: Jet-quenching and the response of partonic matter**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.C77: 011901 (2008) [arXiv:0705.3238].
105. **D(sJ)(2317) meson production at RHIC**,  
Chen, L.W., Ko, C.M., Liu, W. *et. al.*,  
Phys.Rev.C76: 014906 (2007) [arXiv:0705.1697].

106. [SELF CITATION] **Heavy quark measurements by single electrons in the PHENIX experiment**, Kajihara, F., *J.Phys.GG34*: S763-768 (2007) [nucl-ex/0703003].
107. **pQCD Calculations of Heavy Quark and J/psi Production**, Cacciari, Matteo, *J.Phys.GG34*: S479-486 (2007) [hep-ph/0702211].
108. **Open heavy flavor production at RHIC**, Suaide, A.A.P., *J.Phys.GG34*: S369-376 (2007) [nucl-ex/0702035].
109. [SELF CITATION] **Heavy Ion Physics at RHIC**, Tannenbaum, M.J., *Int.J.Mod.Phys.E17*: 771-801 (2008) [nucl-ex/0702028].
110. [SELF CITATION] **A New contribution to the nuclear modification factor of non-photonic electrons in Au+Au collisions at  $s_{NN}^{1/2} = 200$  GeV**, Martinez-Garcia, G., Gadrat, S., Crochet, P., *Phys.Rev.CE17*: 771-801 (2009) [hep-ph/0702035].
111. **Evidence for charmonium generation at the phase boundary in ultra-relativistic nuclear collisions**, Andronic, A., Braun-Munzinger, P., Redlich, K. *et. al.*, *Phys.Lett.B652*: 259-261 (2007) [nucl-th/0701079].
112. **Momentum fluctuations of heavy quarks in the gauge-string duality**, Gubser, Steven S., *Nucl.Phys.B790*: 175-199 (2008) [hep-th/0612143].
113. **Open questions in quarkonium and electromagnetic probes**, Lourenco, Carlos, *Nucl.Phys.A783*: 451-460 (2007) [nucl-ex/0612014].
114. **Studying High p(T) Muons in Cosmic-Ray Air Showers**, Klein, Spencer R., *Nucl.Phys.Proc.Suppl.175-176*: 346-349 (2008) [astro-ph/0612051].
115. [SELF CITATION] **J/psi Production vs Centrality, Transverse Momentum and Rapidity in Au+Au Collisions at  $s_{NN}^{1/2} = 200$ -GeV**, Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*, *Phys.Rev.Lett.98*: 232301 (2007) [nucl-ex/0611020].
116. [SELF CITATION] **Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at  $s_{NN}^{1/2} = 200$ -GeV**, Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*, *Phys.Rev.Lett.98*: 172301 (2007) [nucl-ex/0611018].
117. **Quark-Gluon Matter**, d'Enterria, David G., *J.Phys.GG34*: S53-S82 (2007) [nucl-ex/0611012].
118. **Statistical hadronization of heavy quarks in ultra-relativistic nucleus-nucleus collisions**, Andronic, A., Braun-Munzinger, P., Redlich, K. *et. al.*, *Nucl.Phys.A789*: 334-356 (2007) [nucl-th/0611023].
119. **Jets and Parton Energy Loss at RHIC: Experimental Status**, Lajoie, John, *Braz.J.Phys.37*: 825-829 (2007) [nucl-ex/0611002].
120. [SELF CITATION] **Overview of charm physics at RHIC**, Leitch, M.J., *ATP Conf.Proc.892*: 404-409 (2007) [nucl-ex/0610031].
121. **Suppression of heavy flavors at RHIC & LHC**, Salgado, Carlos A., *Nucl.Phys.A783*: 225-232 (2007) [hep-ph/0609173].
122. [SELF CITATION] **Measurement of Single Muons at Forward Rapidity in p+p Collisions at  $s^{1/2} = 200$ -GeV and Implications for Charm Production**, Adler, Stephen Scott, Afanasiev, S., Aidala, C., Ster, Andras *et. al.*, *Phys.Rev.D76*: 092002 (2007) [hep-ex/0609032].

Number of independent citations 93

6. **J / psi production versus transverse momentum and rapidity in p+p collisions at  $s^{1/2} = 200$ -GeV**, Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras Sziklai, J., Vertesi, R. *et. al.*, *Phys.Rev.Lett.98*: 232002(2007) [hep-ex/0611020]. [IF: 6.944] Cited all-together [100](#) times.

1. [SELF CITATION] **Cold Nuclear Matter Effects on extrinsic J/psi production at  $\sqrt{s_{NN}}=2.76$  TeV at the LHC**, Ferreira, E.G., Fleuret, F., Lansberg, J.P. *et. al.*, [arXiv:1101.0488].
2. **Nuclear suppression of J/Psi: from RHIC to the LHC**, Kopeliovich, B.Z., Potashnikov, I.K., Schmidt, Ivan, [arXiv:1012.5648].
3. **NRQCD Factorization and Quarkonium Production at Hadron-Hadron and ep Colliders**, Bodwin, Geoffrey T., [arXiv:1012.4215].
4. **Total J/Psi and Upsilon production cross section at the LHC: theory vs. experiment**, Lansberg, J.P., [arXiv:1012.2815].
5. **Polarization of prompt J/psi in pp -> J/psi+X at  $\sqrt{s}=200$  GeV**, Chung, Hee Sok, Kim, Seyong, Lee, Jungil *et. al.*, [arXiv:1012.1954].
6. **Thermodynamic Geometric Stability of Quarkonia states**, Bellucci, Stefano, Chandra, Vinod, Tiwari, Bhupendra Nath, [arXiv:1010.4225].
7. [SELF CITATION] **Measurement of Transverse Single-Spin Asymmetries for J/psi Production in Polarized p+p Collisions at  $\sqrt{s} = 200$  GeV**, Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et. al.*, [arXiv:1009.4864].
8. **Charmonium in Medium: From Correlators to Experiment**, Zhao, Xingbo, Rapp, Ralf, [arXiv:1008.5328].
9. **J/psi production and elliptic flow in relativistic heavy-ion collisions**, Song, Taesoo, Ko, Che Ming, Lee, Su Hong *et. al.*, [arXiv:1008.2730].
10. **Dilepton continuum at PHENIX**, Campbell, Sarah, *J.Phys.Conf.Ser.230*: 012034 (2010)

11. **PHENIX results and plans on charm and dileptons**,  
Hemmick, Thomas K.,  
PoSCPOD2009: 041 (2009)
12. **Total  $J/\psi$  production cross section at the LHC**,  
Lansberg, J.P.,  
[arXiv:1006.2750].
13. [SELF CITATION] **Measurement of neutral mesons in p+p collisions at  $\sqrt{s}=200$  GeV and scaling properties of hadron production**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et al.*,  
[arXiv:1005.3674].
14. **Dilepton production in p+p, Cu+Cu and Au+Au collisions at 200 AGeV**,  
Manninen, J., Bratkovskaya, E.L., Cassing, W. *et al.*,  
[arXiv:1005.0500].
15. **Heavy-Flavor Measurements by the PHENIX Experiment at RHIC**,  
Collaboration, Marisilvia Donadelli for the PHENIX,  
[arXiv:1004.2743].
16. **QCD corrections to  $J/\psi$  polarisation in pp collisions at RHIC**,  
Lansberg, J.P.,  
Phys.Lett. **B695**: 149-156 (2011) [arXiv:1003.4319].
17. **On heavy-quarkonia suppression by final-state multiple scatterings in most central Au+Au collisions at RHIC**,  
Wu, Bin, Ma, Bo-Qiang,  
Nucl.Phys. **A848**: 230-244 (2010) [arXiv:1003.1692].
18. [SELF CITATION] **On the theoretical and experimental uncertainties in the extraction of the  $J/\psi$  absorption cross section in cold nuclear matter**,  
Rakotozafindrabe, A., Ferreiro, E.G., Fleuret, F. *et al.*,  
J.Phys. **GG37**: 094055 (2010) [arXiv:1002.2351].
19.  **$J/\psi$  near mid-rapidity in heavy ion collisions at  $\sqrt{s_{NN}}=200$  GeV**,  
Song, Taesoo, Park, Woosung, Lee, Su Houng,  
Phys.Rev. **C81**: 034914 (2010) [arXiv:1002.1884].
20. **QCD corrections to stoponium production at hadron colliders**,  
Younkin, James E., Martin, Stephen P.,  
Phys.Rev. **D81**: 055006 (2010) [arXiv:0912.4813].
21. [SELF CITATION] **Centrality, Rapidity and Transverse-Momentum Dependence of Cold Nuclear Matter Effects on  $J/\psi$  Production in d Au, Cu Cu and Au Au Collisions at  $s_{NN}^{1/2}=200$ -GeV**,  
Ferreiro, E.G., Fleuret, F., Lansberg, J.P. *et al.*,  
Phys.Rev. **C81**: 064911 (2010) [arXiv:0912.4498].
22. [SELF CITATION] **Transverse momentum dependence of  $J/\psi$  polarization at midrapidity in p+p collisions at  $s^{1/2}=200$ -GeV**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et al.*,  
Phys.Rev. **D82**: 012001 (2010) [arXiv:0912.2082].
23. **Examine the species and beam-energy dependence of particle spectra using Tsallis Statistics**,  
Shao, Ming, Yi, Li, Tang, Zebo *et al.*,  
J.Phys. **GG37**: 085104 (2010) [arXiv:0912.0993].
24. [SELF CITATION] **Detailed measurement of the  $Se^+ e^- S$  pair continuum in Sp+pS and Au+Au collisions at  $\sqrt{s_{NN}}=200$  GeV and implications for direct photon production**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et al.*,  
Phys.Rev. **C81**: 034911 (2010) [arXiv:0912.0244].
25. **Polarization of prompt  $J/\psi$  in proton-proton collisions at RHIC**,  
Chung, Hee Sok, Yu, Chachyun, Kim, Seyong *et al.*,  
Phys.Rev. **D81**: 014020 (2010) [arXiv:0911.2113].
26. **Dileptons and Photons at RHIC Energies**,  
Drees, Axel,  
Nucl.Phys. **A830**: 435C-442C (2009) [arXiv:0909.4976].
27. **Enhanced dilepton radiation at RHIC**,  
Toia, Alberica,  
Prog.Part. Nucl.Phys. **62**: 492-497 (2009)
28. **Heavy-Quarkonium Production in High Energy Proton-Proton Collisions at RHIC**,  
Brodsky, Stanley J., Lansberg, Jean-Philippe,  
Phys.Rev. **D81**: 051502 (2010) [arXiv:0908.0754].
29.  **$J/\psi$  production at high transverse momentum in p + p and A + A collisions**,  
Tang, Zebo,
30. **Quarkonia measurement in p+p and d+Au collisions at  $s^{1/2}=200$ -GeV by PHENIX Detector**,  
da Silva, Cesar Luiz,  
Nucl.Phys. **A830**: 227C-230C (2009) [arXiv:0907.4696].
31. **Open Heavy Flavor Production in Heavy Ion Collisions**,  
Dunlop, J.C.,  
Nucl.Phys. **A830**: 419C-426C (2009) [arXiv:0907.4619].
32.  **$J/\psi$  production at mid and forward rapidity at RHIC**,  
Qu, Zhen, Liu, Yumpeng, Xu, Nu *et al.*,  
Nucl.Phys. **A830**: 335C-338C (2009) [arXiv:0907.3626].
33. **Hydrodynamical model for  $J/\psi$  suppression and elliptic flow**,  
Chaudhuri, A.K.,  
Phys.Rev. **C80**: 047901 (2009) [arXiv:0907.3364].
34. **Rapidity Dependence of  $J/\psi$  Production at RHIC and LHC**,  
Liu, Yumpeng, Qu, Zhen, Xu, Nu *et al.*,  
J.Phys. **GG37**: 075110 (2010) [arXiv:0907.2723].
35. **Gluon saturation effects on  $J/\psi$  production in heavy ion collisions**,  
Tuchin, Kirill,  
Nucl.Phys. **A830**: 243C-246C (2009) [arXiv:0907.1604].
36. **Analysing  $j/\psi$  Production in Various RHIC Interactions with a Version of Sequential Chain Model (SCM)**,  
Guptaroy, P., Garain, Tarun K., Sau, Goutam *et al.*,  
[arXiv:0906.2612].
37. **Recent quarkonia results from the PHENIX experiment**,  
del Valle, Zaida Conesa,  
[arXiv:0906.2405].
38. [SELF CITATION]  **$J/\psi$  production at high transverse momentum in p+p and Cu+Cu collisions at  $s_{NN}^{1/2}=200$  GeV**,  
Abelev, B.I., Aggarwal, M.M., Ahammed, Z. *et al.*,  
Phys.Rev. **C80**: 041902 (2009) [arXiv:0904.0439].
39. [SELF CITATION] **Cold Nuclear Matter effects on  $J/\psi$  production at RHIC: Comparing shadowing models**,  
Ferreiro, E.G., Fleuret, F., Lansberg, J.P. *et al.*,  
[arXiv:0903.4908].

40. **Production of charm and bottom quarks in Sp+pS collisions at 200GeV**,  
Morino, Yuhei,  
[arXiv:0903.3504].
41. **Polarization variables in inclusive J/psi production at HERA in the k(t)-factorization approach**,  
Baranov, S.P.,  
JETP Lett **88**: 471-474 (2008)
42. **Recent relativistic heavy ion collider results on photon, dilepton and heavy quarks**,  
Fleuret, Frederic,  
Pramana **72**: 23-36 (2009)
43. **Resolving the J/psi RHIC puzzles at LHC**,  
Bravina, L.V., Tywoniuk, K., Capella, A. *et al.*,  
J.Phys.GG**36**: 064054 (2009) [arXiv:0902.4664].
44. **Color Deconfinement and Charmonium Production in Nuclear Collisions**,  
Kluberg, Louis, Satz, Helmut,  
[arXiv:0901.3831].
45. **J/psi Transverse Momentum Distribution in High Energy Nuclear Collisions at RHIC**,  
Liu, Yun-peng, Qu, Zhen, Xu, Nu *et al.*,  
Phys.Lett **B678**: 72-76 (2009) [arXiv:0901.2757].
46. [SELF CITATION] **Quarkonia studies in Pb + Pb collisions by the ATLAS experiment at LHC**,  
Lebedev, A.,  
J.Phys.GG**35**: 104143 (2008)
47. **J/psi production at RHIC-PHENIX**,  
Oda, Susumu X.,  
J.Phys.GG**35**: 104134 (2008)
48. **Effects of color glass condensate on J/psi production in nucleus-nucleus collisions**,  
Nardi, Marzia,  
J.Phys.GG**35**: 104070 (2008)
49. **Space-time Evolution of J/psi Production in High Energy Nuclear Collisions**,  
Liu, Yunpeng, Qu, Zhen, Xu, Nu *et al.*,  
J.Phys.GG**36**: 064057 (2009) [arXiv:0901.1984].
50. **On the mechanisms of heavy-quarkonium hadroproduction**,  
Lansberg, J.P.,  
Eur.Phys.J.C**61**: 693-703 (2009) [arXiv:0811.4005].
51. **Forward and midrapidity charmonium production at RHIC**,  
Zhao, Xingbo, Rapp, Ralf,  
Eur.Phys.J.C**62**: 109-117 (2009) [arXiv:0810.4566].
52. [SELF CITATION] **Experimental Study of Dense Matter at RHIC**,  
Akiba, Y.,  
Prog.Theor.Phys.Suppl **174**: 88-102 (2008)
53. [SELF CITATION] **Cold nuclear matter effects on J/psi production: Intrinsic and extrinsic transverse momentum effects**,  
Ferreiro, E.G., Fleuret, F., Lansberg, J.P. *et al.*,  
Phys.Lett **B680**: 50-55 (2009) [arXiv:0809.4684].
54. **Light Vector Mesons**,  
Milov, Alexander,  
Eur.Phys.J.C**61**: 721-728 (2009) [arXiv:0809.3880].
55. **J/Psi production in heavy ion collisions and gluon saturation**,  
Kharzeev, Dmitri, Levin, Eugene, Nardi, Marzia *et al.*,  
Nucl.Phys.**A826**: 230-255 (2009) [arXiv:0809.2933].
56. **Quarkonia Measurements with STAR**,  
Xu, Zhangbu, Ullrich Thomas,  
Eur.Phys.J.C**61**: 687-691 (2009) [arXiv:0809.2288].
57. **Inclusive production of J/psi in proton proton collisions at RHIC**,  
Szczyrek, A., Baranov, S.,  
J.Phys.Conf.Ser.**110**: 022050 (2008)
58. **Gluon saturation effects on J/Psi production in heavy ion collisions**,  
Kharzeev, Dmitri, Levin, Eugene, Nardi, Marzia *et al.*,  
Phys.Rev.Lett.**102**: 152301 (2009) [arXiv:0808.2954].
59. **J / psi suppression and p(T) spectra in RHIC and LHC energy collisions**,  
Chaudhuri, A.K.,  
Eur.Phys.J.C**61**: 331-338 (2009) [arXiv:0808.2702].
60. **Open and hidden charm in proton-nucleus and heavy-ion collisions**,  
Linnyk, O., Bratkovskaya, E.L., Cassing, W.,  
Int.J.Mod.Phys.E **17**: 1367-1439 (2008) [arXiv:0808.1504].
61. [SELF CITATION] **Perspectives on heavy-quarkonium production at the LHC**,  
Lansberg, J.P., Rakotozafindrabe, A., Artoisenet, P. *et al.*,  
AIP Conf.Proc. **1038**: 15-44 (2008) [arXiv:0807.3666].
62. **Charmonium and bottomonium production in heavy-ion collisions**,  
Rapp, R., Blaschke, D., Crochet, P.,  
Prog.Part.Nucl.Phys. **65**: 209-266 (2010) [arXiv:0807.2470].
63. **Relativistic Nucleus-Nucleus Collisions and the QCD Matter Phase Diagram**,  
Stock, Reinhard,  
[arXiv:0807.1610].
64. **J/psi production at the Tevatron and RHIC from s-channel cut**,  
Lansberg, J.P., Haberzettl, H.,  
AIP Conf.Proc. **1038**: 83-92 (2008) [arXiv:0806.4001].
65. **A Look at the influence of the J/psi transverse momentum on shadowing**,  
Rakotozafindrabe, Andry M.,  
AIP Conf.Proc. **1038**: 63-72 (2008) [arXiv:0806.3678].
66. [SELF CITATION] **Progress Towards Understanding Quarkonia at PHENIX**,  
Leitch, M.J.,  
[arXiv:0806.1244].
67. [SELF CITATION] **Heavy flavor in heavy-ion collisions at RHIC and RHIC II**,  
Frawley, Anthony D., Ullrich, T., Vogt, R.,  
Phys.Rept. **462**: 125-175 (2008) [arXiv:0806.1013].
68. **J / psi and Upsilon measurements in STAR**,  
Cosentino Mauro R.,  
[arXiv:0806.0353].

69. **J / psi production in pp collisions at  $s^{*}(1/2) = 200\text{-GeV}$  in the STAR experiment**,  
Cosentino Mauro R.,  
[arXiv:0806.0347].
70. **J/psi production measurements by the PHENIX experiment at RHIC**,  
Atomssa Ermiás T.,  
Eur.Phys.J.C61: 683-686 (2009) [arXiv:0805.4562].
71. **Results from the PHENIX experiment at RHIC**,  
Pereira Da Costa, H.,  
J.Phys.GG35: 044002 (2008)
72. **e+e- pairs: A Clock and a thermometer of heavy ion collisions**,  
Toia, Alberica,  
J.Phys.GG35: 104037 (2008) [arXiv:0805.0153].
73. **J/psi production at high pT in p+p and A+A collisions at STAR**,  
Tang, Zebo,  
J.Phys.GG35: 104135 (2008) [arXiv:0804.4846].
74. **Measurements of Cold Nuclear Matter Effects on J/psi in the PHENIX Experiment via Deuteron-Gold Collisions**,  
Wysocki, Matthew,  
J.Phys.GG35: 104069 (2008) [arXiv:0804.4660].
75. **J/psi production in Cu+Cu and Au+Au collisions at RHIC-PHENIX**,  
Oda, Susumu X.,  
J.Phys.GG35: 104069 (2009) [arXiv:0804.4446].
76. **Charmoniumdynamics in dA and AA at RHIC and LHC**,  
Tywoniuk, K., Bravina, L., Capella, A. et al.,  
J.Phys.GG35: 104156 (2008) [arXiv:0804.4320].
77. **J/psi suppression and p(T) broadening at SPS and at RHIC**,  
Chaudhuri, A.K.,  
Eur.Phys.J.CG35: 104156 (2009)
78. **J/psi production in Cu + Cu collisions at 200-GeV per nucleon measured by the PHENIX experiment**,  
Rakotozafindrabe, Andry M.,
79. **Sequential melting of charmonium states in an expanding Quark Gluon Plasma and J/psi suppression at RHIC and LHC energy collisions**,  
Chaudhuri, A.K.,  
J.Phys.GG35: 095107 (2008) [arXiv:0804.1455].
80. **Transverse momentum broadening of vector boson production in high energy nuclear collisions**,  
Kang, Zhong-Bo, Qiu, Jian-Wei,  
Phys.Rev.D77: 114027 (2008) [arXiv:0802.2904].
81. **[SELF CITATION] Dilepton mass spectra in p+p collisions at  $s^{*}(1/2) = 200\text{-GeV}$  and the contribution from open charm**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. et al.,  
Phys.Lett.B670: 313-320 (2009) [arXiv:0802.0050].
82. **[SELF CITATION] Transverse momentum dependence of J/psi shadowing effects**,  
Ferreiro, E.G., Fleuret, F., Rakotozafindrabe, A.,  
Eur.Phys.J.C61: 859-864 (2009) [arXiv:0801.4949].
83. **Evidence for non-hadronic interactions of charm degrees of freedom in heavy-ion collisions at relativistic energies**,  
Linnyk, O., Bratkovskaya, E.L., Cassing, W.,  
Nucl.Phys.A807: 79-104 (2008) [arXiv:0801.4282].
84. **[SELF CITATION] J/psi Production in s(NN) $^{*}(1/2) = 200\text{-GeV}$  Cu+Cu Collisions**,  
Adare, A., Afanasiev, S., Aidala, Christine Angela, Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. et al.,  
Phys.Rev.Lett.101: 122301 (2008) [arXiv:0801.0220].
85. **Charmoniumdissociation and recombination at RHIC and LHC**,  
Capella, A., Bravina, L., Ferreiro, E.G. et al.,  
Eur.Phys.J.C58: 437-444 (2008) [arXiv:0712.4331].
86. **Transverse Momentum Spectra of J/psi in Heavy-Ion Collisions**,  
Zhao, Xingbo, Rapp, Ralf,  
Phys.Lett.B664: 253-257 (2008) [arXiv:0712.2407].
87. **[SELF CITATION] Cold Nuclear Matter Effects on J/Psi as Constrained by Deuteron-Gold Measurements at s(NN) $^{*}(1/2) = 200\text{-GeV}$** ,  
Adare, A., Adler, S.S., Afanasiev, S., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. et al.,  
Phys.Rev.C77: 024912 (2008) [ERRAT,C79,059901.2009] [arXiv:0903.4845].
88. **Measurements of dilepton continuum at the PHENIX experiment at RHIC**,  
Toia, Alberica,  
PoSCPOD07: 037 (2007) [arXiv:0711.2118].
89. **PHENIX results for J/psi transverse momentum and rapidity dependence in Au + Au and Cu + Cu collisions**,  
Glenn, A.M.,  
J.Phys.GG34: S737-S740 (2007)
90. **Heavy-quark and electromagnetic probes**,  
Averbeck, Ralf,  
J.Phys.GG34: S567-S574 (2007)
91. **J/psi production in high energy heavy ion collisions at RHIC**,  
Gunji, Taku,
92. **Inclusive production of J / psi meson in proton-proton collisions at the BNL RHIC**,  
Baranov, S.P., Szczurek, A.,  
Phys.Rev.D77: 054016 (2008) [arXiv:0710.1792].
93. **Possible solution of the J/psi production puzzle**,  
Habertzell, H., Lansberg, J.P.,  
Phys.Rev.Lett.100: 032006 (2008) [arXiv:0709.3471].
94. **[SELF CITATION] Heaviness of Heavy Quarkonia in Heavy Ion Collisions**,  
Nagle, J.L.,  
[arXiv:0705.1712].
95. **J / psi production in in-in and p-A collisions**,  
Scomparin, E.,  
J.Phys.GG34: S463-470 (2007) [nucl-ex/0703030].
96. **Centrality dependence of J / psi production in Au + Au and Cu + Cu collisions by the PHENIX experiment at RHIC**,  
Gunji, Taku,  
J.Phys.GG34: S749-752 (2007) [nucl-ex/0703004].
97. **Quarkonium production in ultra-relativistic nuclear collisions: Suppression versus enhancement**,  
Braun-Munzinger, P.,  
J.Phys.GG34: S471-478 (2007) [nucl-th/0701093].
98. **Evidence for charmonium generation at the phase boundary in ultra-relativistic nuclear collisions**,  
Andronic, A., Braun-Munzinger, P., Redlich, K. et al.,  
Phys.Lett.B652: 259-261 (2007) [nucl-th/0701079].

99. **Heavy quarkonia production in p+p collisions from the PHENIX experiment.**  
Bickley, Abigail  
J.Phys.GG34: S779-782 (2007) [nucl-ex/0701037].
100. [SELF CITATION] **RHIC results on J / psi**  
Leitch, M.J.,  
J.Phys.GG34: S453-462 (2007) [nucl-ex/0701021].

Number of *independent* citations 79

7. **Correlated Production of p and anti-p in Au+Au Collisions at  $s(\text{NN})^{1/2} = 200\text{-GeV}$ ,**  
Adare, A., Afanasiev S., Aidala C., Csanad M., Csorgo T., Kiss, A., Ster, Andras Sziklai J., Vertesi, R. *et. al.*,  
Phys.Lett.B649: 359-369 (2007) [nucl-ex/0611016]. [IF: 4.189] Cited all-together 16 times.

1. [SELF CITATION] **Azimuthal hadron correlations in d+Au and Au+Au collisions at  $s(\text{NN})^{1/2} = 200\text{ GeV}$  from STAR**  
Aggarwal, M.M., Ahammed, Z., Alakhverdyants A.V. *et. al.*,  
Phys.Rev.C82: 024912 (2010) [arXiv:1004.2377].
2. **Jet-Medium Interactions with Identified Particles,**  
Sickles, Anne M.,  
Nucl.Phys.A830: 131C-138C (2009) [arXiv:0907.4921].
3. **Hard and Soft Physics at RHIC with implications for LHC,**  
Tannenbaum, Michael J.,  
PoSA830: 131C-138C (2009) [arXiv:0904.4363].
4. **A Four Component Picture for Jet Induced Correlations in Heavy Ion Collisions?,**  
Sickles, Anne,  
Eur.Phys.J.C61: 583-588 (2009) [arXiv:0809.3703].
5. **Dependence of Ridge Formation on Trigger Azimuth: Correlated Emission Model**  
Chiu, Charles B., Hwa, Rudolph C.,  
Phys.Rev.C79: 034901 (2009) [arXiv:0809.3018].
6. **Highlights from PHENIX - I,**  
Franz, A.,  
J.Phys.GG35: 104002 (2008) [arXiv:0805.1718].
7. **The Baryon Anomaly: Evidence for Color Transparency and Direct Hadron Production at RHIC,**  
Brodsky, Stanley J., Sickles, Anne,  
Phys.Lett.B668: 111-115 (2008) [arXiv:0804.4608].
8. **Physics Revealed at Intermediate p(T),**  
Hwa, Rudolph C.,  
J.Phys.GG35: 104017 (2008) [arXiv:0804.3763].
9. [SELF CITATION] **Dihadron azimuthal correlations in Au+Au collisions at  $s(\text{NN})^{1/2} = 200\text{-GeV}$ ,**  
Adare, A., Afanasiev S., Aidala C., Csanad, M., Csorgo T., Kiss, A., Ster, A., Sziklai J., Vertesi, R. *et. al.*,  
Phys.Rev.C78: 014901 (2008) [arXiv:0801.4545].
10. [SELF CITATION] **Particle-species dependent modification of jet-induced correlations in Au+Au collisions at  $s(\text{NN})^{1/2} = 200\text{-GeV}$ ,**  
Afanasiev S., Aidala C., Ajitanand, N.N., Csanad, M., Csorgo T., Kiss, A., Ster, Andras, Sziklai J., Vertesi, R. *et. al.*,  
Phys.Rev.Lett.101: 082301 (2008) [arXiv:0712.3033].
11. **Identified particle correlations at RHIC: Medium interactions and modified fragmentation,**  
Sickles, Anne,  
Acta Phys.Polon.Supp.1: 647-650 (2008) [arXiv:0712.0317].
12.  **$\pi^0$ -h correlation in Cu + Cu at  $s(\text{NN})^{1/2} = 200\text{-GeV}$ ,**  
Jia, Jiangyong  
Int.J.Mod.Phys.E16: 2000-2004 (2007) [nucl-ex/0703047].
13. **Evolution of the Away-Side Jet Shapes in  $\pi^0$  - h $^{\pm}$  Correlations in 200-GeV Au+Au Collisions with RHIC-PHENIX,**  
Grau, Nathan,  
Int.J.Mod.Phys.E16: 1988-1992 (2007) [nucl-ex/0702049].
14. **Mapping out the jet correlation landscape: A Perspective from PHENIX experiment,**  
Jia, Jiang-yong,  
Int.J.Mod.Phys.E16: 3058-3081 (2008) [nucl-ex/0702048].
15. **Jet correlations with identified particles from PHENIX: Methods and results,**  
Sickles, Anne,  
Int.J.Mod.Phys.E16: 3160-3167 (2008) [nucl-ex/0702007].
16. **Identified particle jet correlations from PHENIX,**  
Sickles, Anne,  
J.Phys.GG34: S685-688 (2007) [nucl-ex/0701032].

Number of *independent* citations 13

8. **Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at  $s(\text{NN})^{1/2} = 200\text{-GeV}$ ,**  
Adare, A., Afanasiev S., Aidala C., Csanad M., Csorgo T., Kiss, A., Ster, A., Sziklai J., Vertesi, R. *et. al.*,  
Phys.Rev.Lett.98: 172301 (2007) [nucl-ex/0611018]. [IF: 6.944] Cited all-together 266 times.

1. **A study of the correlations between jet quenching observables at RHIC,**  
Jia, Jiangyong Horowitz, W.A., Liao, Jinfeng  
[arXiv:1101.0290].
2. **Heavy quarks and the collective properties of hot QCD,**  
Torrieri, Giorgio, Noronha, Jorge,  
[arXiv:1101.0029].
3. **Zeroing in on jet quenching: a PHENIX perspective,**  
Jia, Jiangyong Collaboration for the PHENIX,  
[arXiv:1012.0858].
4. **Viscous QCD matter in a hybrid hydrodynamic+Boltzmann approach,**  
Song, Huichao, Bass, Steffen A., Heinz Ulrich W.,  
[arXiv:1012.0555].
5. **The errant life of a heavy quark in the quark-gluon plasma,**  
Meyer, Harvey B.,  
[arXiv:1012.0234].
6. **Qualitative and Quantitative Energy Loss?,**  
Horowitz, W.A.,  
[arXiv:1011.5965].
7. **Non-photonic electron-hadron correlations and non-photonic electron  $Sv_2$  at STAR/RHIC,**  
Wang, Gang,  
[arXiv:1011.5543].

8. **Probing the Frontiers of QCD.**  
Horowitz, W.A.,  
[arXiv:1011.4316].
9. **200 A GeV Au+Au collisions serve a nearly perfect quark-gluon liquid.**  
Song, Huichao, Bass, Steffen A., Heinz Ulrich W. *et. al.*,  
[arXiv:1011.2783].
10. **Heavy quark dynamics in the QGP: R\_AA and  $v_2$  from RHIC to LHC,**  
Alberico, W.M., Beraudo, A., De Pace, A. *et. al.*,  
[arXiv:1011.0400].
11. **Jet Evolution in the Quark-Gluon Plasma from RHIC to the LHC,**  
Domdey, S., Kopeliovich, B.Z., Pimer, H.J.,  
[arXiv:1010.0134].
12. **Strong color fields and heavy flavor production.**  
Bautista, I., Pajares, C.,  
Phys.Rev.C82: 034912 (2010) [arXiv:1009.5843].
13. [SELF CITATION] **Initial eccentricity fluctuations and their relation to higher-order flow harmonics**  
Lacey, Roy A., Wei, Rui, Ajitanand, N.N. *et. al.*,  
[arXiv:1009.5230].
14. **Langevin dynamics of heavy flavors in relativistic heavy-ion collisions**  
Alberico, W.M., Beraudo, A., De Pace, A. *et. al.*,  
[arXiv:1009.2434].
15. **Conformal Holography of Bulk Elliptic Flow and Heavy Quark Quenching in Relativistic Heavy Ion Collisions,**  
Noronha, Jorge, Gyulassy, Miklos, Torrieri, Giorgio,  
Phys.Rev.C82: 054903 (2010) [arXiv:1009.2286].
16. **Parton saturation at strong coupling from AdS/CFT,**  
Iancu, Edmond,  
[arXiv:1009.1278].
17. **High- $p_T$  S paradigms revisited,**  
Kopeliovich, B.Z., Nemchik, J.,  
[arXiv:1009.1162].
18. **SJ/\psi production and elliptic flow in relativistic heavy-ion collisions**  
Song, Taesoo, Ko, Che Ming, Lee, Su Hyoung *et. al.*,  
[arXiv:1008.2730].
19. **Elliptic flow of heavy flavors,**  
Das, Santosh K., Alam, Jan-e,  
[arXiv:1008.2643].
20. **Production, elliptic flow and energy loss of heavy quarks in the quark-gluon plasma,**  
Uphoff, Jan, Fochler, Oliver, Xu, Zhe *et. al.*,  
[arXiv:1008.1995].
21. **Characterizing the partonic phase through dilepton interferometry in relativistic heavy ion collisions,**  
Mohanty, Payal, Alam, Jan-e, Mohanty, Bedangadas,  
[arXiv:1008.1112].
22. **ALICE EMCal Physics Performance Report,**  
Abeysekara, U.,  
[arXiv:1008.0413].
23. **Continuous-wave gravitational radiation from pulsar glitch recovery,**  
Bennett, M.F., van Eysden, C.A., Melatos, A.,  
[arXiv:1008.0236].
24. **Pulsar glitch recovery and the superfluidity coefficients of bulk nuclear matter,**  
van Eysden, C.A., Melatos, A.,  
[arXiv:1007.4360].
25. **Heavy-quark Langevin dynamics and single-electron spectra in nucleus-nucleus collision**  
Alberico, W.M., Beraudo, A., De Pace, A. *et. al.*,  
[arXiv:1007.4170].
26. **On bulk viscosity and moduli decay,**  
Laine, Mikko,  
[arXiv:1007.2590].
27. **Correlations of electrons from heavy flavor decay in p+p, d+Au and Au+Au collisions,**  
Sickles, Anne,  
PoSDIS2010: 178 (2010) [arXiv:1007.2355].
28. [SELF CITATION] **Measurement of the Bottom contribution to non-photon electron production in Sp+pS collisions at  $\sqrt{s} = 200$  GeV,**  
Aggarwal, M.M., Ahammed, Z., Alakhverdyants, A.V. *et. al.*,  
Phys.Rev.Lett.105: 202301 (2010) [arXiv:1007.1200].
29. **Measurement of the dielectron continuum in p+p and Au+Au collisions at RHIC,**  
Dahms, Torsten,  
[arXiv:1007.1013].
30. **Phenomenology of Heavy Flavors in Ultrarelativistic Heavy-Ion Collisions,**  
Isayev, A.A.,  
[arXiv:1006.5950].
31. [SELF CITATION] **A fundamental test of the Higgs Yukawa coupling at RHIC in A+A collisions,**  
Tannenbaum, M.J.,  
J.Phys.Conf.Ser.230: 012037 (2010) [arXiv:1006.5724].
32. [SELF CITATION] **Results from RHIC with Implications for LHC,**  
Tannenbaum, M.J.,  
[arXiv:1006.5701].
33. **Improved Holographic QCD.**  
Gursoy, Umut, Kiritsis, Elias, Mazzanti, Liuba *et. al.*,  
[arXiv:1006.5461].
34. **Knudsen number, ideal hydrodynamic limit for elliptic flow and QGP viscosity in  $\sqrt{s} = 62$  and 200 GeV Cu+Cu/Au+Au collisions,**  
Chaudhuri, A.K.,  
Phys.Rev.C82: 047901 (2010) [arXiv:1006.4478].
35. **Langevin diffusion of heavy quarks in non-conformal holographic backgrounds,**  
Gursoy, Umut, Kiritsis, Elias, Mazzanti, Liuba *et. al.*,  
JHEP1012: 088 (2010) [arXiv:1006.3261].
36. **Heavy flavor measurements using high-pt electrons in the ALICE EMCal,**  
Heinz, Mark T.,  
J.Phys.Conf.Ser.230: 012005 (2010) [arXiv:1006.1278].

37. **Colour-electric spectral function at next-to-leading order**,  
Burnier, Y., Laine, M., Langelage, J. *et. al.*,  
JHEP1008: 094 (2010) [arXiv:1006.0867].
38. **In-medium hadronization in the deconfined matter at RHIC and LHC**,  
Bellwied, R., Markert, C.,  
Phys.Lett B691: 208-213 (2010) [arXiv:1005.5416].
39. [SELF CITATION] **Azimuthal anisotropy: transition from hydrodynamic flow to jet suppression**  
Lacey, Roy A., Taranenko, A., Wei, R. *et. al.*,  
Phys.Rev.C82: 034910 (2010) [arXiv:1005.4979].
40. **Open charm analysis with the ALICE detector in pp collisions at LHC**,  
Ivan, Cristian George  
[arXiv:1005.4954].
41. [SELF CITATION] **Heavy Quark Production in p+p and Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at  $\sqrt{s_{NN}}=200$  GeV**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
[arXiv:1005.1627].
42. **Dissecting the role of initial collision geometry for jet quenching observables in relativistic heavy ion collisions**,  
Jia, Jiangyong, Wei, Rui,  
Phys.Rev.C82: 024902 (2010) [arXiv:1005.0645].
43. **Production and elliptic flow of heavy quarks at RHIC and LHC within a partonic transport model**,  
Uphoff, Jan, Fochler, Oliver, Xu, Zhe *et. al.*,  
J.Phys.Conf.Ser.230: 012004 (2010) [arXiv:1004.4091].
44. **Why heavy and light quarks radiate energy with similar rates**,  
Kopeliovich, B.Z., Potashnikova, I.K., Schmidt, Ivan,  
Phys.Rev.C82: 037901 (2010) [arXiv:1004.3920].
45. **Heavy-Flavor Measurements by the PHENIX Experiment at RHIC**,  
Collaboration, Marisolvia Donadelli for the PHENIX,  
[arXiv:1004.2743].
46. **Heavy quark jet tomography of the ultradense sQGP phase of nuclear matter**,  
Gyulassy, M., Levai, P.,  
Nucl.Phys.A834: 217C-222C (2010)
47. **Transverse momentum spectra and elliptic flow in ideal hydrodynamics and geometric scaling**,  
Roy, Victor, Chaudhuri, A.K.,  
Phys.Rev.C81: 067901 (2010) [arXiv:1003.5791].
48. [SELF CITATION] **Elliptic and hexadecapole flow of charged hadrons in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.Lett.105: 062301 (2010) [arXiv:1003.5586].
49. **Dragging Heavy Quarks in Quark Gluon Plasma at the Large Hadron Collider**,  
Das, Santosh K., Alam, Jan-e, Mohanty, Payal,  
Phys.Rev.C82: 014908 (2010) [arXiv:1003.5508].
50. **Heavy quark production at RHIC and LHC within a partonic transport model**,  
Uphoff, Jan, Fochler, Oliver, Xu, Zhe *et. al.*,  
Phys.Rev.C82: 044906 (2010) [arXiv:1003.4200].
51. **Viscosity coefficients for hadron and quark-gluon phases**,  
Khvorostukhin, A.S., Toneev, V.D., Voskresensky, D.N.,  
Nucl.Phys.A845: 106-146 (2010) [arXiv:1003.3531].
52. **In-medium effects in the holographic quark-gluon plasma**,  
Rust, Felix,  
Adv.High Energy Phys.2010: 564624 (2010) [arXiv:1003.0187].
53. **The theory and phenomenology of perturbative QCD based jet quenching**  
Majumder, A., Van Leeuwen, M.,  
[arXiv:1002.2206].
54. **Competition of Heavy Quark Radiative and Collisional Energy Loss in Deconfined Matter**,  
Gossiaux, P.B., Aichelin, J., Gousset, T. *et. al.*,  
J.Phys.GG37: 094019 (2010) [arXiv:1001.4166].
55. **Quarkonium above deconfinement as an open quantum system**,  
Young, Clint, Dusling, Kevin,  
[arXiv:1001.0935].
56. **Hard collinear gluon radiation and multiplescattering in a medium**  
Majumder, Abhijit  
[arXiv:0912.2987].
57. [SELF CITATION] **Detailed measurement of the  $\text{Se}^+ e^- \text{S}$  pair continuum in  $\text{Sp}+\text{pS}$  and  $\text{Au}+\text{Au}$  collisions at  $\sqrt{s_{NN}} = 200$  GeV and implications for direct photon production**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.C81: 034911 (2010) [arXiv:0912.0244].
58. **Hadronic decays of light mesons measured by the PHENIX experiment at RHIC**,  
Ryabov, V.,  
Nucl.Phys.A827: 395C-397C (2009)
59. **Holographic GB gravity in arbitrary dimensions**  
Buchel, Alex, Escobedo, Jorge, Myers, Robert C. *et. al.*,  
JHEP1003: 111 (2010) [arXiv:0911.4257].
60. **Finite-temperature QCD**,  
Laine, M.,  
PoSLAT2009: 006 (2009) [arXiv:0910.5168].
61. **A pQCD-based description of heavy and light flavor jet quenching**  
Qin, Guang-You, Majumder, Abhijit  
Phys.Rev.Lett.105: 262301 (2010) [arXiv:0910.3016].
62. [SELF CITATION] **Systematic theoretical uncertainties in jet quenching due to gluon kinematics**  
Horowitz, W.A., Cole, B.A.,  
Phys.Rev.C81: 024909 (2010) [arXiv:0910.1823].
63. **Centrality dependence of elliptic flow and QGP viscosity**,  
Chaudhuri, A.K.,  
J.Phys.GG37: 075011 (2010) [arXiv:0910.0979].
64. [SELF CITATION] **Puzzles, Progress, Prospects: Pre-Summary for the Quark Matter 2009 Conference**  
Zajc, W.A.,  
Nucl.Phys.A830: 3C-10C (2009) [arXiv:0909.5575].
65. **Dileptons and Photons at RHIC Energies**,  
Drees, Axel,  
Nucl.Phys.A830: 435C-442C (2009) [arXiv:0909.4976].

66. **Nonperturbative enhancement of heavy quark-pair production in a strong SU(2) color field.**  
Levai, Peter, Skokov, Vladimir,  
Phys. Rev. **D82**: 074014 (2010) [arXiv:0909.2323].
67. **Nearly perfect fluid in Au+Au collisions at RHIC,**  
Chaudhuri, A.K.,  
Phys. Lett. **B681**: 418-422 (2009) [arXiv:0909.0391].
68. **Initial eccentricity and constituent quark number scaling of elliptic flow in ideal and viscous dynamics**  
Chaudhuri, A.K.,  
Phys. Rev. **C81**: 044905 (2010) [arXiv:0909.0376].
69. **Transverse flow of charmed hadrons in relativistic heavy-ion collisions,**  
Girigori, P., Peitzmann, T.,  
Phys. Rev. **C80**: 027901 (2009)
70. **Relativistic Heavy Ion Collisions: Viscous Hydrodynamic Simulations and Final State Interactions,**  
Luzum, Matthew,  
[arXiv:0908.4100].
71. [SELF CITATION] **Quantitative and Conceptual Considerations for Extracting the Knudsen Number in Heavy Ion Collisions,**  
Nagle, J.L., Steinberg, P., Zajc, W.A.,  
Phys. Rev. **C81**: 024901 (2010) [arXiv:0908.3684].
72. **Causal Viscous Hydrodynamics for Relativistic Heavy Ion Collisions,**  
Song, Huichao,  
[arXiv:0908.3656].
73. **Dileptons Charm and Charmonium at Finite Temperature and Chemical Potential,**  
Rapp, Ralf,  
PoSCPD**2009**: 040 (2009) [arXiv:0908.3344].
74. **Early times and thermalization in heavy ion collisions: A Summary of experimental results for photons, light vector mesons, open and hidden heavy flavors,**  
Da Costa, Hugo Pereira,  
Nucl. Phys. **A830**: 883C-890C (2009) [arXiv:0908.3178].
75. **Disentangling charmonium suppression**  
Linden Levy, L.A.,  
J. Phys. **GG36**: 064013 (2009)
76. **From production to suppression, a critical review of charmonium measurements at RHIC,**  
Linden Levy, L.A.,  
Nucl. Phys. **A830**: 353C-360C (2009) [arXiv:0908.2361].
77. **Hadron Production in Heavy Ion Collisions,**  
Oeschler, Helmut, Ritter, Hans Georg, Xu, Nu,  
[arXiv:0908.1771].
78. **Open Heavy Flavor Production at Forward Rapidity in  $s(NN)^{1/2} = 200$ -GeV Cu+Cu Collisions,**  
Garishvili Irakli,  
Nucl. Phys. **A830**: 625C-626C (2009) [arXiv:0907.5479].
79. [SELF CITATION] **Elucidating Jet Energy Loss Using Jets: Prospects from ATLAS,**  
Grau, N.,  
Nucl. Phys. **A830**: 797C-800C (2009) [arXiv:0907.4944].
80. **Jet-Medium Interactions with Identified Particles,**  
Sickles, Anne M.,  
Nucl. Phys. **A830**: 131C-138C (2009) [arXiv:0907.4921].
81. **Heavy Flavor Production and Energy Loss with Two-Particle Correlations at PHENIX,**  
Engelmore, Tatia,  
Nucl. Phys. **A830**: 853C-856C (2009) [arXiv:0907.4813].
82. **Open Heavy Flavor at PHENIX,**  
Dion, Alan, collaboration, for the PHENIX,  
Nucl. Phys. **A830**: 765C-768C (2009) [arXiv:0907.4749].
83. **Open Heavy Flavor Production in Heavy Ion Collisions,**  
Dunlop, J.C.,  
Nucl. Phys. **A830**: 419C-426C (2009) [arXiv:0907.4619].
84. **Energy Loss of Heavy Quarks in a QGP with a Running Coupling Constant Approach,**  
Gossiaux, Pol B., Aichelin Joerg,  
Nucl. Phys. **A830**: 203C-206C (2009) [arXiv:0907.4329].
85. **Nonperturbative Heavy-Quark Interactions in the QGP,**  
Rapp, Ralf, Riek, Felix, van Hees, Hendrik *et. al.*,  
Nucl. Phys. **A830**: 861C-864C (2009) [arXiv:0907.4319].
86. [SELF CITATION] **Energy loss for heavy quarks in relation to light partons: Is radiative energy loss for heavy quarks anomalous?**  
Lacey, Roy A., Wei, R., Ajitanand, N.N. *et. al.*,  
Phys. Rev. Lett. **103**: 142302 (2009) [arXiv:0907.4132].
87. **Light Cone wavefunction approach to open heavy flavor dynamics in the QGP,**  
Sharma, Rishi,  
Nucl. Phys. **A830**: 857C-860C (2009) [arXiv:0907.3764].
88. **Parton Propagation and Fragmentation in QCD Matter,**  
Accardi, Alberto, Arleo Francois, Brooks, William K. *et. al.*,  
Riv. Nuovo Cim. **32**: 439-553 (2010) [arXiv:0907.3534].
89. **Langevin + Hydrodynamics Approach to Heavy Quark Propagation and Correlation in QGP,**  
Akamatsu, Yukinao, Hatsuda, Tetsuo, Hirano, Tetsufumi,  
Nucl. Phys. **A830**: 865C-868C (2009) [arXiv:0907.2981].
90. **Rapidity Dependence of J/psi Production at RHIC and LHC,**  
Liu, Yunpeng, Qu, Zhen, Xu, Nu *et. al.*,  
J. Phys. **GG37**: 075110 (2010) [arXiv:0907.2723].
91. **From Thermodynamics to the Bound on Viscosity,**  
Hod, Shahar,  
Nucl. Phys. **B819**: 177-182 (2009) [arXiv:0907.1144].
92. **Constraint fitting of experimental data with a jet quenching model embedded in a hydrodynamical bulk medium**  
Armesto, Nestor, Cacciari, Matteo, Hirano, Tetsufumi *et. al.*,  
J. Phys. **GG37**: 025104 (2010) [arXiv:0907.0667].
93. **Electron-muon correlation as a new probe to strongly interacting quark-gluon plasma,**  
Akamatsu, Yukinao, Hatsuda, Tetsuo, Hirano, Tetsufumi,  
Phys. Rev. **C80**: 031901 (2009) [arXiv:0907.0588].
94. **Constraints on AdS/CFT Gravity Dual Models of Heavy Ion Collisions,**  
Noronha, Jorge, Gyulassy, Miklos, Torrieri, Giorgio,  
[arXiv:0906.4099].

95. **Heavy Flavor Probes of Quark-Gluon Plasma**,  
Isayev, A.A.,  
[arXiv:0906.3717].
96. **A Lattice test of strong coupling behaviour in QCD at finite temperature**,  
Iancu, E., Mueller, A.H.,  
Phys.Lett **B681**: 247-252 (2009) [arXiv:0906.3175].
97. **Thermal Transport and Drag Force in Improved Holographic QCD**,  
Gursoy, Umut, Kiritsis, Elias, Michalogiorgakis, Georgios *et. al.*,  
JHEP**0912**: 056 (2009) [arXiv:0906.1890].
98. [SELF CITATION] **Results from PHENIX at RHIC**,  
Tannenbaum, M.J.,  
[arXiv:0906.0745].
99. **Is the quark gluon plasma produced in RHIC collisions strongly coupled?**,  
Lacey, Roy A., Taranenko, Arkadij, Wei, Rui,  
[arXiv:0905.4368].
100. **Gravitation, Thermodynamics and the Bound on Viscosity**,  
Hod, Shajar,  
Gen. Rel. Grav. **41**: 2295-2299 (2009) \ IMPAE, D18, 2337-2341. (2009) [arXiv:0905.4113].
101. **Viscous Hydrodynamics and the Quark Gluon Plasma**,  
Teaney, Derek A.,  
[arXiv:0905.2433].
102. **Correlations of Electrons from Heavy Flavor Decay with Hadrons at PHENIX**,  
Sickles, Anne,  
[arXiv:0905.2112].
103. **Elliptic Flow: A Study of Space-Momentum Correlations In Relativistic Nuclear Collisions**,  
Sorensen, Paul,  
[arXiv:0905.0174].
104. **Hard and Soft Physics at RHIC with implications for LHC**,  
Tannenbaum, Michael J.,  
PoS**41**: 2295-2299 (2009) [arXiv:0904.4363].
105. [SELF CITATION] **High-pt probes of the quark gluon plasma: STAR/PHENIX results at RHIC**,  
Ogilvie, C.A.,  
Prog. Part. Nucl. Phys. **62**: 473-478 (2009)
106. **Shock Treatment: Heavy Quark Drag in a Novel AdS Geometry**,  
Horowitz, W.A., Kovchegov Yuri V.,  
Phys.Lett **B680**: 56-61 (2009) [arXiv:0904.2536].
107. [SELF CITATION] **J/psi production at high transverse momentum in p+p and Cu+Cu collisions at  $\sqrt{s(NN)}^{1/2} = 200$  GeV**,  
Abelev, B.I., Aggarwal, M.M., Ahammed, Z. *et. al.*,  
Phys. Rev. **C80**: 041902 (2009) [arXiv:0904.0439].
108. **Light-cone wave function approach to open heavy flavor dynamics in QCD matter**,  
Sharma, Rishi, Vitev, Ivan, Zhang, Ben-Wei,  
Phys. Rev. **C80**: 054902 (2009) [arXiv:0904.0032].
109. [SELF CITATION] **Measurement of Bottom versus Charm as a Function of Transverse Momentum with Electron-Hadron Correlations in p+p Collisions at  $\sqrt{s}=200$  GeV**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys. Rev. Lett. **103**: 082002 (2009) [arXiv:0903.4851].
110. **Production of charm and bottom quarks in  $\sqrt{s}$  collisions at 200 GeV**,  
Morino, Yuhei,  
[arXiv:0903.3504].
111. **Holographic studies of thermal gauge theories with flavor**,  
Thomson, Rowan F.M.,
112. **Holographic Hydrodynamics with a Chemical Potential**,  
Myers, Robert C., Paulos, Miguel F., Sinha, Aninda,  
JHEP**0906**: 006 (2009) [arXiv:0903.2834].
113. **Soft Physics from RHIC to LHC**,  
Steinberg, Peter,  
Nucl. Phys. **A827**: 128C-136C (2009) [arXiv:0903.1474].
114. **Predictions for the heavy-ion programme at the Large Hadron Collider**,  
Armesto, Nestor,  
[arXiv:0903.1330].
115. **Recent relativistic heavy ion collider results on photon, dilepton and heavy quarks**,  
Fleuret, Frederic,  
Pramana **72**: 23-36 (2009)
116. **Heavy Quarks in the Quark-Gluon Plasma**,  
Rapp, Ralf, van Hees, Hendrik,  
[arXiv:0903.1096].
117. [SELF CITATION] **Correlation Probes of a QCD Critical Point**,  
Csorgo, T.,  
PoS**HIGH-PTLHC08**: 027 (2008) [arXiv:0903.0669].
118. **Electromagnetic Probes**,  
Tserruya, Itzhak,  
[arXiv:0903.0415].
119. **Energy loss in a strongly coupled thermal medium and the gauge-string duality**,  
Gubser, Steven S., Pufu, Silviu S., Rocha, Fabio D. *et. al.*,  
[arXiv:0902.4041].
120. **Soft Open Charm Production in Heavy-Ion Collisions**,  
Pop, V. Topor, Barrette, J., Gyulassy, M.,  
Phys. Rev. Lett. **102**: 232302 (2009) [arXiv:0902.4028].
121. **Heavy quark diffusion as a probe of sQGP**,  
Akamatsu, Yukinao,  
Prog. Theor. Phys. Suppl. **174**: 160-163 (2008)
122. **Heavy Quark Thermalization in Classical Lattice Gauge Theory: Lessons for Strongly-Coupled QCD**,  
Laine, Mikko, Moore, Guy D., Philipsen, Owe *et. al.*,  
JHEP**0905**: 014 (2009) [arXiv:0902.2856].
123. **Jet quenching in QCD matter: From RHIC to LHC**,  
d'Enterria, David,  
Nucl. Phys. **A827**: 356C-364C (2009) [arXiv:0902.2488].

124. **Jet quenching**,  
d'Enterria, David,  
[arXiv:0902.2011].
125. **Possible existence of finite formation time of strongly interacting plasma in nuclear collisions at RHIC and LHC**,  
Pantuev, V.S.,  
Phys.Atom.Nucl.71: 1625-1631 (2008)
126. **Transport properties and Langevin dynamics of heavy quarks and quarkonia in the Quark Gluon Plasma**,  
Beraudo, A., De Pace, A., Alberico, W.M. *et. al.*,  
Nucl.Phys. **A831**: 59-90 (2009) [arXiv:0902.0741].
127. **Viscous Hydrodynamic Predictions for Nuclear Collisions at the LHC**,  
Luzum, Matthew, Romatschke, Paul,  
Phys.Rev.Lett. **103**: 262302 (2009) [arXiv:0901.4588].
128. **Viscous hydrodynamics description of phi meson production in Au+Au and Cu+Cu collisions**,  
Chaudhuri, A.K.,  
[arXiv:0901.4181].
129. **A parton recombination approach to heavy ion collisions at RHIC and LHC**,  
Krieg, Daniel,  
[arXiv:0901.3617].
130. **J/psi Transverse Momentum Distribution in High Energy Nuclear Collisions at RHIC**,  
Liu, Yun-peng, Qu, Zhen, Xu, Nu *et. al.*,  
Phys.Lett. **B678**: 72-76 (2009) [arXiv:0901.2757].
131. **Tomography of the Quark Gluon Plasma by Heavy Quarks**,  
Gossiaux, P.B., Aichelin J.,  
J.Phys. **GG36**: 064028 (2009) [arXiv:0901.2462].
132. **Heavy flavour physics in ALICE**,  
Masera, Massimo,  
J.Phys. **GG35**: 104144 (2008)
133. **The viscosity to entropy density ratio from PHENIX data on single electron production**,  
Averbeck, Ralf,  
J.Phys. **GG35**: 104115 (2008)
134. **The fast life of holographic mesons**,  
Myers, R.C., Sinha, A.,  
J.Phys. **GG35**: 104062 (2008)
135. **High-p(T) identified particle spectra: The effective color-charge factor**,  
Xu, Zhangbu,  
J.Phys. **GG35**: 104009 (2008)
136. **What we have (not) learned from the ultrarelativistic heavy ion collisions**,  
Paic, Guy,  
ATP Conf.Proc. **1116**: 111-122 (2009) [arXiv:0901.1884].
137. [SELF CITATION] **Cold nuclear effects on heavy flavours (a review)**,  
Granier de Cassagnac, R.,  
J.Phys. **GG36**: 064024 (2009) [arXiv:0901.1647].
138. **Heavy baryon/meson ratios in relativistic heavy ion collisions**,  
Oh, Yongseok, Ko, Che Ming, Lee, Su Houn *et. al.*,  
Phys.Rev. **C79**: 044905 (2009) [arXiv:0901.1382].
139. **A Way to estimate the heavy quark thermalization rate from the lattice**,  
Caron-Huot, Simon, Laine, Mikko, Moore, Guy D.,  
JHEP **0904**: 053 (2009) [arXiv:0901.1195].
140. **Tomography of a quark gluon plasma at RHIC and LHC energies**,  
Gossiaux, P.B., Bierkandt, R., Aichelin J.,  
Phys.Rev. **C79**: 044906 (2009) [arXiv:0901.0946].
141. [SELF CITATION] **Bose-Einstein or HBT correlations in high energy reactions**,  
Csorgo, T.,  
[arXiv:0901.0766].
142. **Hydrodynamic analysis of heavy ion collisions at RHIC**,  
Hirano, Tetsufumi,  
J.Phys. **GG36**: 064031 (2009) [arXiv:0812.4651].
143. **On multiple scatterings of mesons in hot and cold QCD matter**,  
Dominguez Fabio, Marquet, Cyrille, Wu, Bin,  
Nucl.Phys. **A823**: 99-119 (2009) [arXiv:0812.3878].
144. **Theory and Phenomenology of Heavy Flavor at RHIC**,  
Rapp, Ralf,  
J.Phys. **GG36**: 064014 (2009) [arXiv:0812.3850].
145. **Beyond  $\eta/s = 1/4 \pi$** ,  
Buchel, Alex, Myers, Robert C., Sinha, Aninda,  
JHEP **0903**: 084 (2009) [arXiv:0812.2521].
146. **Shear-Viscosity to Entropy-Density Ratio of a Relativistic Hadron Gas**,  
Demir, Nasser, Bass, Steffen A.,  
Phys.Rev.Lett. **102**: 172302 (2009) [arXiv:0812.2422].
147. **Quasi-particle model for lattice QCD: Quark-gluon plasma in heavy ion collisions**,  
Chandra, Vinod, Ravishankar, V.,  
Eur.Phys.J. **C64**: 63-72 (2009) [arXiv:0812.1430].
148. **STAR inner tracking upgrade: A performance study**,  
Kapitan, Jan,  
Eur.Phys.J. **C62**: 217-221 (2009) [arXiv:0811.2311].
149. **Transport Coefficients of Hadronic Matter near T(c)**,  
Noronha-Hostler, Jacquelyn, Noronha, Jorge, Greiner, Carsten,  
Phys.Rev.Lett. **103**: 172302 (2009) [arXiv:0811.1571].
150. [SELF CITATION] **Elucidating Jet Energy Loss in Heavy Ion Collisions**,  
Grau, N.,  
[arXiv:0811.0746].
151. [SELF CITATION] **Successes and failures with hard probes**,  
Tannenbaum, M.J.,  
Eur.Phys.J. **C61**: 747-759 (2009) [arXiv:0811.0532].
152. **Centrality dependence of  $v(2)$  in Au + Au at  $S(NN)^{1/2} = 200$ -GeV**,  
Masui, Hiroshi,  
Eur.Phys.J. **C62**: 169-173 (2009) [arXiv:0810.5414].

153. **Charmed hadron signals of partonic medium**  
Linnyk, O., Bratkovskaya, E.L., Cassing, W.,  
*J.Phys.GG36*: 064059 (2009) [arXiv:0810.4257].
154. **[SELF CITATION] Experimental Study of Dense Matter at RHIC,**  
Akiba, Y.,  
*Prog.Theor.Phys.Suppl* **174**: 88-102 (2008)
155. **Dilepton spectra in p+p and Au+Au collisions at RHIC,**  
Dahms, Torsten,  
[arXiv:0810.3040].
156. **Azimuthal anisotropy and fundamental symmetries in QCD matter at RHIC,**  
Okorokov, V.A.,  
[arXiv:0809.3130].
157. **Parton energy loss at strong coupling and the universal bound,**  
Kharzeev, Dmitri E.,  
*Eur.Phys.J.C61*: 675-682 (2009) [arXiv:0809.3000].
158. **Heavy Quark Diffusion with Relativistic Langevin Dynamics in the Quark-Gluon Fluid,**  
Akamatsu, Yukinao, Hatsuda, Tetsuo, Hirano, Tetsufumi,  
*Phys.Rev.C79*: 054907 (2009) [arXiv:0809.1499].
159. **Color Screening by Pions**  
Detmold, William, Savage, Martin J.,  
*Phys.Rev.Lett.* **102**: 032004 (2009) [arXiv:0809.0892].
160. **Charm hadron production at RHIC in combination model,**  
Yao, Tao, Zhou, Wei, Xie, Qu-Bing,  
*Phys.Rev.C78*: 064911 (2008) [arXiv:0809.0049].
161. **T-matrix approach to heavy quark diffusion in the QGP,**  
van Hees, H., Mannarelli, M., Greco, Vincenzo *et. al.*,  
*Eur.Phys.J.C61*: 799-806 (2009) [arXiv:0808.3710].
162. **Universal holographic hydrodynamics at finite coupling**  
Buchel, Alex, Myers, Robert C., Paulos, Miguel F. *et. al.*,  
*Phys.Lett.B669*: 364-370 (2008) [arXiv:0808.1837].
163. **Open and hidden charm in proton-nucleus and heavy-ion collisions,**  
Linnyk, O., Bratkovskaya, E.L., Cassing, W.,  
*Int.J.Mod.Phys.E17*: 1367-1439 (2008) [arXiv:0808.1504].
164. **Holographic quark gluon plasma with flavor,**  
Kaminski, Matthias,  
*Fortsch.Phys.* **57**: 3-148 (2009) [arXiv:0808.1114].
165. **Quarkonium transport in thermal AdS/CFT,**  
Dusling, Kevin, Erdmenger, Johanna, Kaminski, Matthias *et. al.*,  
*JHEP0810*: 098 (2008) [arXiv:0808.0957].
166. **Nonphotonic electrons at RHIC within k(t)-factorization approach and with experimental semileptonic decay functions**  
Luszczak, Marta, Maciula, Rafal, Szczurek, Antoni,  
*Phys.Rev.D79*: 034009 (2009) [arXiv:0807.5044].
167. **Charmonium and bottomonium production in heavy-ion collisions,**  
Rapp, R., Blaschke, D., Crochet, P.,  
*Prog.Part.Nucl.Phys.* **65**: 209-266 (2010) [arXiv:0807.2470].
168. **Summary of Experimental Results: Photons, Leptons and Heavy Quarks,**  
Seto, Richard,  
*J.Phys.GG35*: 104043 (2008) [arXiv:0807.1955].
169. **A New correlation method to identify and separate charm and bottom production processes at RHIC,**  
Mischke, Andre,  
*Phys.Lett.B671*: 361-365 (2009) [arXiv:0807.1309].
170. **Di-Jet Conical Correlations Associated with Heavy Quark Jets in anti-de Sitter Space/Conformal Field Theory Correspondence,**  
Noronha, Jorge, Gyulassy, Miklos, Torrieri, Giorgio,  
*Phys.Rev.Lett.* **102**: 102301 (2009) [arXiv:0807.1038].
171. **Mach-like Angular Correlations Arise Only From the Head Zone of AdS/CFT String Jets,**  
Noronha, Jorge, Gyulassy, Miklos,  
[arXiv:0806.4374].
172. **Heavy Flavor in the sQGP,**  
Rapp, R., Cabrera, D., Greco, V. *et. al.*,  
[arXiv:0806.3341].
173. **0th Order Heavy Quark Photon Bremsstrahlung**  
Horowitz, W.A.,  
[arXiv:0806.3092].
174. **Open charm measurement with HFT at STAR**  
Kapitan, Jan,  
[arXiv:0806.2266].
175. **Quantum corrections to  $\eta$ 's,**  
Myers, Robert C., Paulos, Miguel F., Sinha, Aninda,  
*Phys.Rev.D79*: 041901 (2009) [arXiv:0806.2156].
176. **Resonance Recombination Model: A Dynamical Framework for Hadronization**  
Ravagli, L., van Hees, H., Rapp, R.,  
*Phys.Rev.C79*: 064902 (2009) [arXiv:0806.2055].
177. **[SELF CITATION] Heavy flavor in heavy-ion collisions at RHIC and RHIC II,**  
Frawley, Anthony D., Ullrich, T., Vogt, R.,  
*Phys.Rept.* **462**: 125-175 (2008) [arXiv:0806.1013].
178. **Viscosity and thermodynamic properties of QGP in relativistic heavy ion collisions,**  
Chandra, Vinod, Ravishankar, V.,  
*Eur.Phys.J.C59*: 705-714 (2009) [arXiv:0805.4820].
179. **Negative Elliptic Flow of J/Psi's: A Qualitative Signature for Charm Collectivity at RHIC,**  
Krieg, Daniel, Bleicher, Marcus,  
*Eur.Phys.J.A39*: 1-4 (2009) [arXiv:0806.0736].
180. **Universal upper bound on the energy of a parton escaping from the strongly coupled quark-gluon matter,**  
Kharzeev, Dmitri E.,  
[arXiv:0806.0358].
181. **High p(T) Identified Particle Spectra,**  
Xu, Zhangbu,  
[arXiv:0806.0200].

182. **Overview of charm production at RHIC**,  
Zhang, Yi-fei,  
J.Phys.GG35: 104022 (2008) [arXiv:0806.0079].
183. **Quarkonia Production in Hot and Cold Matters**,  
Granier de Cassagnac, Raphael,  
J.Phys.GG35: 104023 (2008) [arXiv:0806.0046].
184. **J/psi production measurements by the PHENIX experiment at RHIC**,  
Atomssa, Ermias T.,  
Eur.Phys.J.C61: 683-686 (2009) [arXiv:0805.4562].
185. **Measurement of the Open Charm Cross-Section in 200-GeV Heavy-Ion Collisions at STAR**,  
Baumgart, Stephen L.,  
[arXiv:0805.4228].
186. **Measurement of charm and bottom production in p+p collisions at  $s^{*}(1/2) = 200$ -GeV at RHIC-PHENIX**,  
Morino, Yuhei,  
J.Phys.GG35: 104116 (2008) [arXiv:0805.3871].
187. **Di-electron Continuum at PHENIX**,  
Yamaguchi, Yorito L.,  
[arXiv:0805.2786].
188. **Highlights from PHENIX - II**,  
Awes, Terry C.,  
J.Phys.GG35: 104007 (2008) [arXiv:0805.1636].
189. [SELF CITATION] **Recent results on jet energy loss and direct photons at RHIC**,  
David, G.,  
Eur.Phys.J.ST155: 27-36 (2008)
190. **Heavy Quark Production from Jet Conversions in a Quark-Gluon Plasma**,  
Liu, W., Fries, R.J.,  
Phys.Rev.C78: 037902 (2008) [arXiv:0805.1093].
191. [SELF CITATION] **Heavy quark 'energy loss' and 'flow' in a QCD matter at RHIC**,  
Kim, D.J.,  
J.Phys.GG35: 044024 (2008)
192. [SELF CITATION] **Consequences of Lambda/c / D enhancement effect on the non-photonic electron nuclear modification factor in central heavy ion collisions at RHIC energy**,  
Martinez-Garcia, G., Gadrat, S., Crochet, P.,  
J.Phys.GG35: 044023 (2008)
193. [SELF CITATION] **Charmed hadron production at low transverse momentum in Au+Au collisions at RHIC**,  
Abelev, B.I., Aggarwal, M.M., Ahammed, Z. *et. al.*,  
[arXiv:0805.0364].
194. **Measurements of heavy quark production via single leptons at PHENIX**,  
Hornback, Donald,  
J.Phys.GG35: 104113 (2008) [arXiv:0804.4825].
195. **Up to and beyond ninth order in opacity: Radiative energy loss with GLV**,  
Wicks, Simon,  
[arXiv:0804.4704].
196. [SELF CITATION] **Enhanced production of direct photons in Au+Au collisions at  $\sqrt{s_{NN}}=200$  GeV and implications for the initial temperature**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.Lett.104: 132301 (2010) [arXiv:0804.4168].
197. **Conformal Relativistic Viscous Hydrodynamics Applications to RHIC results at  $s(NN)^{1/2} = 200$ -GeV**,  
Luzum, Matthew, Romatschke, Paul,  
Phys.Rev.C78: 034915 (2008) [ERRAT,C79,039903,2009] [arXiv:0804.4015].
198. **Robustness and Infrared Sensitivity of Various Observables in the Application of AdS/CFT to Heavy Ion Collisions**,  
Liu, Hong, Rajagopal, Krishna, Shi, Yeming,  
JHEP0808: 048 (2008) [arXiv:0803.3214].
199. **Heavy Quark Diffusion as a Probe of the Quark-Gluon Plasma**,  
Rapp, Ralf, van Hees, Hendrik,  
[arXiv:0803.0901].
200. [SELF CITATION] **The Fluid Nature of Quark-Gluon Plasma**,  
Zajc, W.A.,  
Nucl.Phys.A805: 283-294 (2008) [arXiv:0802.3552].
201. **The Viscosity Bound and Causality Violation**,  
Brigante, Mauro, Liu, Hong, Myers, Robert C. *et. al.*,  
Phys.Rev.Lett.100: 191601 (2008) [arXiv:0802.3318].
202. **Towards an understanding of the RHIC single electron data**,  
Gossiaux, P.B., Aichelin, J.,  
Phys.Rev.C78: 014904 (2008) [arXiv:0802.2525].
203. **Evidence for non-hadronic interactions of charm degrees of freedom in heavy-ion collisions at relativistic energies**,  
Linnyk, O., Bratkovskaya, E.L., Cassing, W.,  
Nucl.Phys.A807: 79-104 (2008) [arXiv:0801.4282].
204. **Silicon Vertex Tracker for PHENIX Upgrade at RHIC: Capabilities and Detector Technology**,  
Nouicer, Rachid, Collaboration, for the PHENIX,  
PoSVERTEX2007: 042 (2007) [arXiv:0801.2947].
205. **Turning on the Charm**,  
Peshier, Andre,  
[arXiv:0801.0595].
206. **Transverse Momentum Spectra of J/psi in Heavy-Ion Collisions**,  
Zhao, Xingbo, Rapp, Ralf,  
Phys.Lett.B664: 253-257 (2008) [arXiv:0712.2407].
207. **Viscosity Bound Violation in Higher Derivative Gravity**,  
Brigante, Mauro, Liu, Hong, Myers, Robert C. *et. al.*,  
Phys.Rev.D77: 126006 (2008) [arXiv:0712.0805].
208. **Hadronic final states and their correlations in p p and heavy ion collisions**,  
Ogilvie, Craig A.,
209. **Dilepton Radiation at the CERN Super Proton Synchrotron**,  
van Hees, Hendrik, Rapp, Ralf,  
Nucl.Phys.A806: 339-387 (2008) [arXiv:0711.3444].
210. **Measurements of dilepton continuum at the PHENIX experiment at RHIC**,  
Toia, Alberica,  
PoSCPOD07: 037 (2007) [arXiv:0711.2118].

211. **Transverse Radial Flow Effects on Two- and Three-Particle Angular Correlations**,  
Pruneau, Claude A., Gavin, Sean, Voloshin, Sergei A.,  
Nucl.Phys.**A802**: 107-121 (2008) [arXiv:0711.1991].
212. **Dielectron continuum measurements in  $s(NN)^*(1/2) = 200$ -GeV, Au + Au and Cu + Cu collisions at PHENIX**,  
Campbell, Sarah,  
J.Phys.GG**34**: S1055-S1058 (2007)
213. **Measuring viscosity at RHIC**,  
Gavin, Sean, Abdel-Aziz, Mohamed  
J.Phys.GG**34**: S835-S838 (2007)
214. **Elliptic flow of electrons from heavy flavour decay by the PHENIX**,  
Sakai, Shingo,  
J.Phys.GG**34**: S753-S757 (2007)
215. **PHENIX results for J/psi transverse momentum and rapidity dependence in Au + Au and Cu + Cu collisions**,  
Glenn, A.M.,  
J.Phys.GG**34**: S737-S740 (2007)
216. **Heavy-quark and electromagnetic probes**,  
Averbeck, Ralf,  
J.Phys.GG**34**: S567-S574 (2007)
217. [SELF CITATION] **Systematics of high p(T) hadron spectra**,  
Velkovska, J.,  
J.Phys.GG**34**: S353-S360 (2007)
218. **PHENIX highlights. I: Propagation of partons in a coloured medium**  
Lajoie, John,  
J.Phys.GG**34**: S191-S198 (2007)
219. **Heavy ion collisions and black hole dynamics**  
Gubser, Steven S.,  
Int.J.Mod.Phys.**D17**: 673-678 (2008) GRGVA,39,1533-1538,2007)
220. **Future Experiments in Relativistic Heavy Ion Collisions**,  
Bellwied, Rene,  
J.Phys.GG**35**: 044054 (2008) [arXiv:0710.4101].
221. **J/psi production in high energy heavy ion collisions at RHIC**,  
Gunji, Taku,
222. [SELF CITATION] **Consequences of a Lambda(c)/D enhancement effect on the non-photonuclear electron nuclear modification factor in central heavy ion collisions at RHIC energy**,  
Martinez-Garcia, G., Gadrat, S., Crochet, P.,  
Phys.Lett.**B663**: 55-60 (2008) ERRAT,B666,533,2008) [arXiv:0710.2152].
223. **Charm Production at RHIC**,  
Knosp, A.G.,  
eConfC**070805**: 10 (2007) [arXiv:0710.1051].
224. **Phase-space coalescence for heavy and light quarks at RHIC**,  
Greco, V.,  
Eur.Phys.J.ST**155**: 45-59 (2008) [arXiv:0710.0486].
225. **Fluid turbulence and eddy viscosity in relativistic heavy-ion collisions**,  
Romatschke, Paul,  
Prog.Theor.Phys.Suppl.**174**: 137-144 (2008) [arXiv:0710.0016].
226. **Dynamics and Hadronization at intermediate transverse momentum at RHIC**,  
Greco, V., van Hees, H., Rapp, R.,  
AIP Conf.Proc.**964**: 232-237 (2007) [arXiv:0709.4622].
227. **What are the degrees of freedom in the partonic fluid at RHIC?**,  
Bellwied, Rene,  
PoSCPOD**07**: 015 (2007) [arXiv:0709.4454].
228. **Heavy-quark kinetics at RHIC and LHC**,  
Greco, V., van Hees, H., Rapp, R.,  
[arXiv:0709.4452].
229. [SELF CITATION] **Quasi-Particle Degrees of Freedom versus the Perfect Fluid as Descriptors of the Quark-Gluon Plasma**,  
Linden Levy, L.A., Nagle, J.L., Rosen, C. *et. al.*,  
Phys.Rev.C**78**: 044905 (2008) [arXiv:0709.3105].
230. **Nonperturbative heavy-quark diffusion in the quark-gluon plasma**,  
van Hees, H., Mannarelli, M., Greco, V. *et. al.*,  
Phys.Rev.Lett.**100**: 192301 (2008) [arXiv:0709.2884].
231. **The quest for the quark-gluon plasma**,  
Braun-Munzinger, Peter, Stachel, Johanna,  
Nature**448**: 302-309 (2007)
232. **The Effect of partonic wind on charm quark correlations in high-energy nuclear collisions**,  
Zhu, X., Xu, N., Zhuang, P.,  
Phys.Rev.Lett.**100**: 152301 (2008) [arXiv:0709.0157].
233. **Heavy quark diffusion in perturbative QCD at next-to-leading order**,  
Caron-Huot, Simon, Moore, Guy D.,  
Phys.Rev.Lett.**100**: 052301 (2008) [arXiv:0708.4232].
234. **A Sticky business: The Status of the conjectured viscosity/entropy density bound**,  
Cherman, Aleksey, Cohen, Thomas D., Hohler, Paul M.,  
JHEP**0802**: 026 (2008) [arXiv:0708.4201].
235. [SELF CITATION] **An Estimate for the location of QCD critical end point**,  
Lacey, Roy A., Ajitanand, N.N., Alexander, J.M. *et. al.*,  
[arXiv:0708.3512].
236. **Charmonium and open charm production in nuclear collisions at SPS/FAIR energies and the possible influence of a hot hadronic medium**  
Andronic, A., Braun-Munzinger, P., Redlich, K. *et. al.*,  
Phys.Lett.**B659**: 149-155 (2008) [arXiv:0708.1488].
237. **Viscosity over entropy ratio in a quark plasma**,  
Czerski, P., Alberico W.M., Chiacchiera, S. *et. al.*,  
J.Phys.GG**36**: 025008 (2009) [arXiv:0708.0174].
238. **Shear Viscosity of Quark Matter**,  
Alberico W.M., Chiacchiera, S., Hansen, H. *et. al.*,  
Eur.Phys.J.A**38**: 97-103 (2008) [arXiv:0707.4442].
239. **Summary of the Heavy Flavor Working Group**,  
Klasen, Michael, List, Benno, Hansmann-Menzemer, Stephanie *et. al.*,  
[arXiv:0707.3907].

240. [SELF CITATION] **Measurements of Hard-Scattering by PHENIX at RHIC**, Tannenbaum, M.J., Nucl.Phys.Proc.Suppl **177-178**: 150-155 (2008) [arXiv:0707.1679].
241. **What's the matter at RHIC?**, Granier de Cassagnac, Raphael, Int.J.Mod.Phys. **A22**: 6043-6056 (2007) [arXiv:0707.0328].
242. [SELF CITATION] **CMS physics technical design report: Addendum on high density QCD with heavy ions**, d'Enterria, David G., (Ed.), Ballintijn, M., (Ed.), Bedjidian, M., (Ed.) *et. al.*, J.Phys. **GG34**: 2307-2455 (2007)
243. [SELF CITATION] **Enhancement of the dielectron continuum in  $s(NN)^{1/2} = 200$ -GeV Au+Au collisions**, Afanasiev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*, Phys.Rev.Lett. **G34**: 2307-2455 (2009) [arXiv:0706.3034].
244. **Heavy quark jet tomography of Pb + Pb at LHC: AdS/CFT drag or pQCD energy loss?**, Horowitz, W.A., Gyulassy, M., Phys.Lett **B666**: 320-323 (2008) [arXiv:0706.2336].
245. **Entropy production in high-energy heavy-ion collisions and the correlation of shear viscosity and thermalization time**, Dumitru, A., Molnar, E., Nara, Y., Phys.Rev. **C76**: 024910 (2007) [arXiv:0706.2203].
246. [SELF CITATION] **The Heavy Ion Physics Program with ATLAS at the LHC**, Grau, N., [arXiv:0706.1983].
247. **Holographic spectral functions and diffusion constants for fundamental matter**, Myers, Robert C., Starinets, Andrei O., Thomson, Rowan M., JHEP **0711**: 091 (2007) [arXiv:0706.0162].
248. **Phases of QCD: Summary of the Rutgers long range plan town meeting, January 12-14, 2007**, Jacobs, Peter, Kharzeev, Dmitri, Muller, Berndt *et. al.*, [arXiv:0705.1930].
249. **Quark Coalescence based on a Transport Equation**, Ravagli, L., Rapp, R., Phys.Lett **B655**: 126-131 (2007) [arXiv:0705.0021].
250. **The Centrality dependence of elliptic flow, the hydrodynamic limit, and the viscosity of hot QCD**, Drescher, Hans-Joachim, Dumitru, Adrian, Gombeaud, Clement *et. al.*, Phys.Rev. **C76**: 024905 (2007) [arXiv:0704.3553].
251. [SELF CITATION] **Measurement of density correlations in pseudorapidity via charged particle multiplicity fluctuations in Au+Au collisions at  $s(NN)^{1/2} = 200$ -GeV**, Adler, Stephen Scott, Afanasiev, S., Aidala, C., Ster, Andras *et. al.*, Phys.Rev. **C76**: 034903 (2007) [arXiv:0704.2894].
252. **Measurement of non-photon electron angular correlations with charged hadrons**, Lin, Xiao-yan, Int.J.Mod.Phys. **E16**: 3139-3147 (2008) [nucl-ex/0703039].
253. [SELF CITATION] **PHENIX studies of the scaling properties of elliptic flow at RHIC**, Taranenko, A., J.Phys. **GG34**: S1069-1072 (2007) [nucl-ex/0703025].
254. [SELF CITATION] **Elliptic flow for phi mesons and (anti)deuterons in Au + Au collisions at  $s(NN)^{1/2} = 200$ -GeV**, Afanasiev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*, Phys.Rev.Lett. **99**: 052301 (2007) [nucl-ex/0703024].
255. [SELF CITATION] **Heavy quark measurements by single electrons in the PHENIX experiment**, Kajihara, F., J.Phys. **GG34**: S763-768 (2007) [nucl-ex/0703003].
256. **Open heavy flavor production at RHIC**, Suaide, A.A.P., J.Phys. **GG34**: S369-376 (2007) [nucl-ex/0702035].
257. **Is there a 'most perfect fluid' consistent with quantum field theory?**, Cohen, Thomas D., Phys.Rev.Lett. **99**: 021602 (2007) [hep-th/0702136].
258. [SELF CITATION] **Heavy Ion Physics at RHIC**, Tannenbaum, M.J., Int.J.Mod.Phys. **E17**: 771-801 (2008) [nucl-ex/0702028].
259. **Hotter, Denser, Faster, Smaller...and Nearly-Perfect: What's the matter at RHIC?**, Steinberg, Peter, J.Phys.Conf.Ser. **69**: 012032 (2007) [nucl-ex/0702020].
260. [SELF CITATION] **A New contribution to the nuclear modification factor of non-photonic electrons in Au+Au collisions at  $s(NN)^{1/2} = 200$  GeV**, Martinez-Garcia, G., Gadrat, S., Crochet, P., Phys.Rev. **C69**: 012032 (2009) [hep-ph/0702035].
261. **String theory and quark-gluon plasma**, Natsuume, Makoto, [hep-ph/0701201].
262. **Novel heavy flavor suppression mechanisms in the QGP**, Vitev, Ivan, Adil, Azfar, van Hees, Hendrik, J.Phys. **GG34**: S769-774 (2007) [hep-ph/0701188].
263. **Momentum fluctuations of heavy quarks in the gauge-string duality**, Gubser, Steven S., Nucl.Phys. **B790**: 175-199 (2008) [hep-th/0612143].
264. **Comparing the drag force on heavy quarks in N=4 super-Yang-Mills theory and QCD**, Gubser, Steven S., Phys.Rev. **D76**: 126003 (2007) [hep-th/0611272].
265. [SELF CITATION] **Electromagnetic Probes at RHIC-II**, David, G., Rapp, R., Xu, Z., Phys.Rept. **462**: 176-217 (2008) [nucl-ex/0611009].

Number of independent citations 221

## 9. System Size and Energy Dependence of Jet-Induced Hadron Pair Correlation Shapes in Cu+Cu and Au+Au Collisions at $s(NN)^{1/2} = 200$ and 62.4-GeV,

Adare, A., Adler, Stephen Scott, Afanasiev, S., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*, Phys.Rev.Lett **98**: 232302 (2007) [nucl-ex/0611019]. [IF: 6.944] Cited all-together [47](#) times.

1. **Di-hadron correlations at RHIC**, Natrass, Christine, [arXiv:1012.2907].

2. **Probing the Frontiers of QCD.**  
Horowitz, W.A.,  
[arXiv:1011.4316].
3. **Critical examination of RHIC paradigms: Mostly high  $S_{p-T}$ .**  
Tannenbaum, Michael J.,  
[arXiv:1008.1536].
4. **Universal Flow-Driven Conical Emission in Ultrarelativistic Heavy-Ion Collisions.**  
Betz, Barbara, Noronha, Jorge, Torrieri, Giorgio *et al.*,  
Phys.Rev.Lett.**105**: 222301 (2010) [arXiv:1005.5461].
5. **Heavy quark jet tomography of the ultradense sQGP phase of nuclear matter.**  
Gyulassy, M., Levai P.,  
Nucl.Phys.**A834**: 217C-222C (2010)
6. [SELF CITATION] **Trends in Yield and Azimuthal Shape Modification in Dihadron Correlations in Relativistic Heavy Ion Collisions.**  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.L., Ster, A., Sziklai, J., Vertesi, R. *et al.*,  
Phys.Rev.Lett.**104**: 252301 (2010) [arXiv:1002.1077].
7. **Centrality dependence of forward-backward multiplicity correlation in Au+Au collisions at  $\sqrt{s_{NN}}=200$  GeV.**  
Yan, Yu-Liang, Zhou, Dai-Mei, Dong, Bao-Guo *et al.*,  
Phys.Rev.**C81**: 044914 (2010) [arXiv:1001.1595].
8. **Centrality bin size dependence of multiplicity correlation in central Au+Au collisions at  $\sqrt{s_{NN}}=200$  GeV.**  
Yan, Yu-Liang, Zhou, Dai-Mei, Dong, Bao-Guo *et al.*,  
Phys.Rev.**C79**: 054902 (2009)
9. [SELF CITATION] **Methodology for the study of modified jet-like topologies in heavy ion collisions via three particle correlation functions**  
Ajitanand, N.N., Alexander, J.M., Lacey, Roy A. *et al.*,  
[arXiv:0911.4197].
10. **Nuclear Reactions.**  
Bertulani, C.A.,  
[arXiv:0908.3275].
11. **Extraction of Correlated Jet Pair Signals in Relativistic Heavy Ion Collisions.**  
Sickles, Anne, McCumber, Michael P., Adare, Andrew,  
Phys.Rev.**C81**: 014908 (2010) [arXiv:0907.4113].
12. [SELF CITATION] **Results from PHENIX at RHIC.**  
Tannenbaum, M.J.,  
[arXiv:0906.0745].
13. [SELF CITATION] **Modification of jet-like correlations in Pb-Au collisions at 158A-GeV/c.**  
Adamova, D., Agakichiev, G., Antonezyk, D. *et al.*,  
Phys.Lett.**B678**: 259-263 (2009) [arXiv:0904.2973].
14. **Hadron Correlations in Jets and Ridges through Parton Recombination**  
Hwa, Rudolph C.,  
[arXiv:0904.2159].
15. **Energy and momentum deposited into a QCD medium by a jet shower.**  
Qin, G.-Y., Majumder, A., Song, Huichao *et al.*,  
Phys.Rev.Lett.**103**: 152303 (2009) [arXiv:0903.2255].
16. **Forward-backward multiplicity correlation in Au+Au collisions at RHIC with transport model PACIAE.**  
Yan, Yu-Liang, Zhou, Dai-Mei, Dong, Bao-Guo *et al.*,  
[arXiv:0903.0915].
17. [SELF CITATION] **Successes and failures with hard probes.**  
Tannenbaum, M.J.,  
Eur.Phys.J.**C61**: 747-759 (2009) [arXiv:0811.0532].
18. [SELF CITATION] **Experimental Study of Dense Matter at RHIC.**  
Akiba, Y.,  
Prog.Theor.Phys.Suppl.**174**: 88-102 (2008)
19. **Azimuthal anisotropy and fundamental symmetries in QCD matter at RHIC.**  
Okorokov, V.A.,  
[arXiv:0809.3130].
20. **PHENIX Results on Jet Correlations versus Reaction Plane.**  
Winter, David L.,  
[arXiv:0808.0484].
21. **Parton shower evolution in a 3-d hydrodynamical medium**  
Renk, Thorsten,  
Phys.Rev.**C78**: 034908 (2008) [arXiv:0806.0305].
22. **Highlights from PHENIX - I.**  
Franz, A.,  
J.Phys.**GG35**: 104002 (2008) [arXiv:0805.1718].
23. **Results from the PHENIX experiment at RHIC.**  
Pereira Da Costa, H.,  
J.Phys.**GG35**: 044002 (2008)
24. **The 'Shoulder' and the 'Ridge' in PHENIX.**  
McCumber, Michael P., Collaboration for the PHENIX,  
J.Phys.**GG35**: 104081 (2008) [arXiv:0804.4319].
25. **Energy deposition in hard dihadron triggered events in heavy-ion collisions**  
Renk, Thorsten,  
Phys.Rev.**C78**: 014903 (2008) [arXiv:0804.1204].
26. [SELF CITATION] **The Fluid Nature of Quark-Gluon Plasma.**  
Zajc, W.A.,  
Nucl.Phys.**A805**: 283-294 (2008) [arXiv:0802.3552].
27. [SELF CITATION] **Dihadron azimuthal correlations in Au+Au collisions at  $\sqrt{s_{NN}}=200$ -GeV.**  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et al.*,  
Phys.Rev.**C78**: 014901 (2008) [arXiv:0801.4545].
28. **Parton effect on forward-backward multiplicity correlation of charged hadron in pp collisions at RHIC.**  
Yan, Yu-Liang, Dong, Bao-Guo, Zhou, Dai-Mei *et al.*,  
[arXiv:0801.3313].
29. [SELF CITATION] **Particle-species dependent modification of jet-induced correlations in Au+Au collisions at  $\sqrt{s_{NN}}=200$ -GeV.**  
Afanasiev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et al.*,  
Phys.Rev.Lett.**101**: 082301 (2008) [arXiv:0712.3033].
30. **Double-humped jet structures within the radiative energy loss.**  
Polosa, Antonio D., Salgado, Carlos A.,  
J.Phys.**GG34**: S675-S678 (2007)

31. **Studying the medium modification of jets via high-p(T) hadron angular correlations**,  
Zhang, Chun,  
J.Phys.GG34: S671-S674 (2007)
32. **PHENIX highlights. I: Propagation of partons in a coloured medium**  
Lajoie, John,  
J.Phys.GG34: S191-S198 (2007)
33. **Theoretical analysis for the apparent discrepancy between anti-p p and pp data in charged particle forward-backward multiplicity correlations**  
Yan, Yu-Liang, Dong, Bao-Guo, Zhou, Dai-Mei *et. al.*,  
Phys.Lett B660: 478-482 (2008) [arXiv:0710.2187].
34. **Universality of the diffusion wake in the gauge-string duality**,  
Gubser, Steven S., Yarom, Amos  
Phys.Rev.D77: 066007 (2008) [arXiv:0709.1089].
35. [SELF CITATION] **Hard-scattering and Jets from RHIC to LHC: A Critical review**,  
Tannenbaum, M.J.,  
PoSLHC07: 004 (2007) [arXiv:0707.1706].
36. **In-Medium Properties of Jets**,  
Wang, Fuqiang,  
J.Phys.GG34: S337-S344 (2007) [arXiv:0707.0801].
37. **Heavy quark jet tomography of Pb + Pb at LHC: AdS/CFT drag or pQCD energy loss?**,  
Horowitz, W.A., Gyulassy, M.,  
Phys.Lett B666: 320-323 (2008) [arXiv:0706.2336].
38. [SELF CITATION] **Transverse momentum and centrality dependence of dihadron correlations in Au+Au collisions at s(NN) = 200-GeV: Jet-quenching and the response of partonic matter**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.C77: 011901 (2008) [arXiv:0705.3238].
39. **Mapping out the Jet correlation landscape: Jet quenching and Medium response**,  
Jia, Jiangyong  
[arXiv:0705.3060].
40. **Jet modification and a comparative study of hadron v(2) measurements in s(NN)<sup>1/2</sup> = 200-GeV Au + Au collisions at RHIC-PHENIX**,  
Vazquez, Eric,  
Int.J.Mod.Phys.E16: 1901-1905 (2007) [arXiv:0705.0850].
41. [SELF CITATION] **PHENIX measurement of high-p(T) hadron-hadron and photon-hadron azimuthal correlations**,  
Jin, J.,  
J.Phys.GG34: S813-816 (2007) [arXiv:0705.0842].
42. **pi0-h correlation in Cu + Cu at s(NN)<sup>1/2</sup> = 200-GeV**,  
Jia, Jiangyong  
Int.J.Mod.Phys.E16: 2000-2004 (2007) [nucl-ex/0703047].
43. **Evolution of the Away-Side Jet Shapes in pi0 - h+- Correlations in 200-GeV Au+Au Collisions with RHIC-PHENIX**,  
Grau, Nathan,  
Int.J.Mod.Phys.E16: 1988-1992 (2007) [nucl-ex/0702049].
44. **Mapping out the jet correlation landscape: A Perspective from PHENIX experiment**,  
Jia, Jiang-yong,  
Int.J.Mod.Phys.E16: 3058-3081 (2008) [nucl-ex/0702048].
45. [SELF CITATION] **Scaling Properties of Fluctuation and Correlation Results from PHENIX**,  
Mitchell, J.T.,  
J.Phys.GG34: S911-914 (2007) [nucl-ex/0701062].
46. **Identified particle jet correlations from PHENIX**,  
Siekles, Anne,  
J.Phys.GG34: S685-688 (2007) [nucl-ex/0701032].
47. **Jet Correlations from PHENIX: Low-pT to High-pT**,  
Grau, Nathan,  
PoSCFRNC2006: 002 (2006) [nucl-ex/0612019].

Number of independent citations 34

10. **J/psi Production vs Centrality, Transverse Momentum and Rapidity in Au+Au Collisions at s(NN)<sup>1/2</sup> = 200-GeV**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.Lett98: 232301(2007) [nucl-ex/0611020]. [IF: 6.944] Cited all-together [195](#) times.

1. [SELF CITATION] **Cold Nuclear Matter Effects on extrinsic J/psi production at sqrt{s\_NN}=2.76 TeV at the LHC**,  
Ferreiro, E.G., Fleuret, F., Lansberg, J.P. *et. al.*,  
[arXiv:1101.0488].
2. **Nuclear suppression of J/Psi: from RHIC to the LHC**,  
Kopeliovich, B.Z., Potashnikov, I.K., Schmidt, Ivan,  
[arXiv:1012.5648].
3. **On the Nuclear Modification Factor at RHIC and LHC**,  
Kormilitzin, Andrey, Levin, Eugene, Rezaeian, Amir H.,  
[arXiv:1011.1248].
4. **Thermodynamic Geometric Stability of Quarkonia states**,  
Bellucci, Stefano, Chandra, Vinod, Tiwari, Bhupendra Nath,  
[arXiv:1010.4225].
5. **SUpsilon Production as a Probe for Early State Dynamics in High Energy Nuclear Collisions at RHIC**,  
Liu, Yungpeng, Chen, Baoyi, Xu, Nu *et. al.*,  
[arXiv:1009.2585].
6. **Charmonium Medium: From Correlators to Experiment**,  
Zhao, Xingbo, Rapp, Ralf,  
[arXiv:1008.5328].
7. **SJ/psi production and elliptic flow in relativistic heavy-ion collisions**,  
Song, Taesoo, Ko, Che Ming, Lee, Su Houng *et. al.*,  
[arXiv:1008.2730].
8. **Critical examination of RHIC paradigms: Mostly high Sp\_T S**,  
Tannenbaum, Michael J.,  
[arXiv:1008.1536].
9. **Heavy Quark Production from Relativistic Heavy Ion Collisions**,  
Younus, Mohammed, Srivastava, Dinesh K.,  
J.Phys.GG37: 115006 (2010) [arXiv:1008.1120].
10. **Colloquium Phase diagram of strongly interacting matter**,  
Braun-Munzinger, P., Wambach, J.,  
Rev.Mod.Phys.81: 1031-1050 (2009)

11. **Modeling the jet quenching, thermal resonance production and hydrodynamical flow in relativistic heavy ion collisions,**  
Lokhtin, I.P., Belyaev, A.V., Malinina, L.V. *et al.*,  
J.Phys.Conf.Ser.**81**: 1031-1050 (2009) [arXiv:1007.5272].
12. **Dilepton continuum at PHENIX,**  
Campbell, Sarah,  
J.Phys.Conf.Ser.**230**: 012034 (2010)
13. **PHENIX results and plans on charm and dileptons,**  
Hemmick, Thomas K.,  
PoSCPOD**2009**: 041 (2009)
14. **Puzzles of  $J/\psi$  production off nuclei,**  
Kopeliovich, B.Z.,  
[arXiv:1007.4513].
15. **Heavy Quarkonia Production in Relativistic d+A and A+A collisions at RHIC, as Measured by the PHENIX Experiment**  
Da Costa, Hugo Pereira,  
[arXiv:1007.3688].
16. **RHIC physics overview,**  
Ruan, Lijuan,  
Front.Phys.China**5**: 205-214 (2010) [arXiv:1007.2882].
17. **Phenomenology of Heavy Flavors in Ultrarelativistic Heavy-Ion Collisions,**  
Isayev, A.A.,  
[arXiv:1006.5950].
18.  **$J/\psi$  Production by Charm Quark Coalescence,**  
Kahana, D.E., Kahana, S.H.,  
J.Phys.GG**37**: 115011 (2010) [arXiv:1006.5789].
19. [SELF CITATION] **Results from RHIC with Implications for LHC,**  
Tannenbaum, M.J.,  
[arXiv:1006.5701].
20. **Quarkonia in anisotropic hot QCD medium in a quasi-particle model,**  
Chandra, Vinod, Ravishankar, V.,  
Nucl.Phys.**A848**: 330-340 (2010) [arXiv:1006.3995].
21.  **$J/\psi$  production in nuclear collisions: Theoretical approach to measuring the transport coefficient,**  
Kopeliovich, B.Z., Potashnikova, I.K., Schmidt, Ivan,  
Phys.Rev.**C82**: 024901 (2010) [arXiv:1006.3042].
22. **Revisiting scaling properties of medium-induced gluon radiation,**  
Arleo, Francois, Peigne, Stephane, Sami, Taklit,  
[arXiv:1006.0818].
23. [SELF CITATION] **Heavy Quark Production in p+p and Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at  $\sqrt{s_{NN}}=200$  GeV,**  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et al.*,  
[arXiv:1005.1627].
24. **Dilepton production in p+p, Cu+Cu and Au+Au collisions at 200 AGeV,**  
Manninen, J., Bratkovskaya, E.L., Cassing, W. *et al.*,  
[arXiv:1005.0500].
25. **Heavy-Flavor Measurements by the PHENIX Experiment at RHIC,**  
Collaboration, Marisilvia Donadelli for the PHENIX,  
[arXiv:1004.2743].
26. **On heavy-quarkonia suppression by final-state multiple scatterings in most central Au+Au collisions at RHIC,**  
Wu, Bin, Ma, Bo-Qiang,  
Nucl.Phys.**A848**: 230-244 (2010) [arXiv:1003.1692].
27. **In-medium effects in the holographic quark-gluon plasma,**  
Rust, Felix,  
Adv.High Energy Phys.**2010**: 564624 (2010) [arXiv:1003.0187].
28. **Heavy quark(onium) at LHC: the statistical hadronization case,**  
Andronic, A., Braun-Munzinger, P., Redlich, K. *et al.*,  
J.Phys.GG**37**: 094014 (2010) [arXiv:1002.4441].
29. [SELF CITATION] **On the theoretical and experimental uncertainties in the extraction of the  $J/\psi$  absorption cross section in cold nuclear matter,**  
Rakotozafindrabe, A., Ferreira, E.G., Fleuret, F. *et al.*,  
J.Phys.GG**37**: 094055 (2010) [arXiv:1002.2351].
30.  **$R_{AA}$  of  $J/\psi$  near mid-rapidity in heavy ion collisions at  $\sqrt{s_{NN}}=200$  GeV,**  
Song, Taesoo, Park, Woosung, Lee, Su Houng,  
Phys.Rev.**C81**: 034914 (2010) [arXiv:1002.1884].
31. **Production and energy loss of strange and heavy quarks,**  
Ruan, Lijuan,  
J.Phys.GG**37**: 094013 (2010) [arXiv:1001.3347].
32. **Quarkonium above deconfinement as an open quantum system,**  
Young, Clint, Dusling, Kevin,  
[arXiv:1001.0935].
33. [SELF CITATION] **Centrality, Rapidity and Transverse-Momentum Dependence of Cold Nuclear Matter Effects on  $J/\psi$  Production in d Au, Cu Cu and Au Au Collisions at  $s(NN)^{1/2} = 200$ -GeV,**  
Ferreiro, E.G., Fleuret, F., Lansberg, J.P. *et al.*,  
Phys.Rev.**C81**: 064911 (2010) [arXiv:0912.4498].
34. **Charmonium suppression in the presence of dissipative forces in a strongly coupled quark-gluon plasma,**  
Patra, Binoy Krishna, Agotiya, Vineet, Chandra, Vinod,  
Eur.Phys.J.**C67**: 465-477 (2010) [arXiv:0912.4270].
35. **Examine the species and beam-energy dependence of particle spectra using Tsallis Statistics,**  
Shao, Ming, Yi, Li, Tang, Zebo *et al.*,  
J.Phys.GG**37**: 085104 (2010) [arXiv:0912.0993].
36. [SELF CITATION] **Detailed measurement of the  $Se^+ e^-$  pair continuum in Sp+pS and Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV and implications for direct photon production,**  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et al.*,  
Phys.Rev.**C81**: 034911 (2010) [arXiv:0912.0244].
37. **Transverse Momentum Distribution as a Probe of  $J/\psi$  Production Mechanism in Heavy Ion Collisions,**  
Zhou, Kai, Xu, Nu, Zhuang, Pengfei,  
Nucl.Phys.**A834**: 249C-252C (2010) [arXiv:0911.5008].
38. **Development of the ALICE Muon Spectrometer: Preparation for data taking and heavy flavor measurement**  
Stocco, Diego,
39. **Disentangling charmonium suppression**  
Linden Levy, L.A.,  
J.Phys.GG**36**: 064013 (2009)

40. **From production to suppression, a critical review of charmonium measurements at RHIC**,  
Linden Levy, L.A.,  
Nucl.Phys.**A830**: 353C-360C (2009) [arXiv:0908.2361].
41. **Highlights from STAR (II): Hard Probes of the Initial and Final State**,  
Putschke, Jorn,  
Nucl.Phys.**A830**: 58C-65C (2009) [arXiv:0908.1766].
42. **J/psi Elliptic Flow, High p(T) Suppression and Upsilon Measurements in A+A Collisions by the PHENIX Experiment**  
Atomssa, Ermias T.,  
Nucl.Phys.**A830**: 331C-334C (2009) [arXiv:0907.4787].
43. **Open Heavy Flavor at PHENIX**  
Dion, Alan, collaboration, for the PHENIX,  
Nucl.Phys.**A830**: 765C-768C (2009) [arXiv:0907.4749].
44. **J/psi production at high transverse momentum in p + p and A + A collisions**,  
Tang, Zebo,
45. **Heavy Ion Physics Program in CMS Experiment**  
Kodolova Olga, Murray, Michael,  
Nucl.Phys.**A830**: 97C-104C (2009) [arXiv:0907.4492].
46. **J/psi production in Au+Au and Cu+Cu collisions at  $s(NN)^{1/2} = 200$ -GeV at STAR**  
Kikola, Daniel,  
Nucl.Phys.**A830**: 327C-330C (2009) [arXiv:0907.4458].
47. **Extraction of Correlated Jet Pair Signals in Relativistic Heavy Ion Collisions**,  
Sickles, Anne, McCumber, Michael P., Adare, Andrew,  
Phys.Rev.**C81**: 014908 (2010) [arXiv:0907.4113].
48. **J/psi production at mid and forward rapidity at RHIC**,  
Qu, Zhen, Liu, Yungpeng, Xu, Nu *et. al.*,  
Nucl.Phys.**A830**: 335C-338C (2009) [arXiv:0907.3626].
49. **Hydrodynamical model for J/psi suppression and elliptic flow**,  
Chaudhuri, A.K.,  
Phys.Rev.**C80**: 047901 (2009) [arXiv:0907.3364].
50. **Rapidity Dependence of J/psi Production at RHIC and LHC**,  
Liu, Yungpeng, Qu, Zhen, Xu, Nu *et. al.*,  
J.Phys.**GG37**: 075110 (2010) [arXiv:0907.2723].
51. **Gluon saturation effects on J/Psi production in heavy ion collisions**,  
Tuchin, Kirill,  
Nucl.Phys.**A830**: 243C-246C (2009) [arXiv:0907.1604].
52. **Lectures on high-energy heavy-ion collisions at the LHC**,  
Salgado, Carlos A.,  
[arXiv:0907.1219].
53. **Heavy Flavor Probes of Quark-Gluon Plasma**,  
Isayev, A.A.,  
[arXiv:0906.3717].
54. **Thermal nature of charmonium transverse momentum spectra from Au-Au collisions at the highest energies available at the BNL Relativistic Heavy Ion Collider (RHIC)**,  
Atkelin, S.V., Braun-Munzinger, P., Sinyukov, Yu.M.,  
Phys.Rev.**C81**: 034912 (2010) [arXiv:0906.3712].
55. **Analysing j/Psi Production in Various RHIC Interactions with a Version of Sequential Chain Model (SCM)**,  
Guptaroy, P., Garain, Tarun K., Sau, Goutam *et. al.*,  
[arXiv:0906.2612].
56. **Recent quarkonia results from the PHENIX experiment**,  
del Valle, Zaida Conesa,  
[arXiv:0906.2405].
57. **J/Psi suppression, percolation model and the critical energy density in AA collisions at SPS and RHIC energies with the account of centrality**,  
Feofilov, G., Kochebina, O.,  
[arXiv:0905.2494].
58. **Hard and Soft Physics at RHIC with implications for LHC**,  
Tannenbaum, Michael J.,  
PoSC**81**: 034912 (2009) [arXiv:0904.4363].
59. [SELF CITATION] **J/psi production at high transverse momentum in p+p and Cu+Cu collisions at  $s(NN)^{1/2} = 200$ GeV**,  
Abelev, B.I., Aggarwal M.M., Ahammed, Z. *et. al.*,  
Phys.Rev.**C80**: 041902 (2009) [arXiv:0904.0439].
60. [SELF CITATION] **Cold Nuclear Matter effects on J/psi production at RHIC: Comparing shadowing models**,  
Ferreiro, E.G., Fleuret, F., Lansberg, J.P. *et. al.*,  
[arXiv:0903.4908].
61. **Production of charm and bottom quarks in Sp+pS collisions at 200GeV**,  
Morino, Yuhai,  
[arXiv:0903.3504].
62. [SELF CITATION] **Photoproduction of J/psi and of high mass e+e- in ultra-peripheral Au+Au collisions at  $s^{1/2} = 200$ -GeV**,  
Afanasyev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Lett.**B679**: 321-329 (2009) [arXiv:0903.2041].
63. **Predictions for the heavy-ion programme at the Large Hadron Collider**,  
Armesto, Nestor,  
[arXiv:0903.1330].
64. **Recent relativistic heavy ion collider results on photon, dilepton and heavy quarks**,  
Fleuret, Frederic,  
Pramana**72**: 23-36 (2009)
65. **Heavy Quarks in the Quark-Gluon Plasma**,  
Rapp, Ralf, van Hees, Hendrik,  
[arXiv:0903.1096].
66. **Resolving the J/psi RHIC puzzles at LHC**,  
Bravina, L.V., Tywoniuk, K., Capella, A. *et. al.*,  
J.Phys.**GG36**: 064054 (2009) [arXiv:0902.4664].
67. **Global analysis of J/psi suppression in cold nuclear matter**,  
Tram, Vi-Nham, Arlea Francois,  
Eur.Phys.J.**C61**: 847-852 (2009) [arXiv:0907.0043].
68. **Viscous hydrodynamics description of phi meson production in Au+Au and Cu+Cu collisions**,  
Chaudhuri, A.K.,  
[arXiv:0901.4181].



98. **Charm hadron production at RHIC in combination model**,  
Yao, Tao, Zhou, Wei, Xie, Qu-Bing,  
Phys. Rev. C **78**: 064911 (2008) [arXiv:0809.0049].
99. **Gluon saturation effects on J/Psi production in heavy ion collisions**,  
Kharzeev, Dmitri, Levin, Eugene, Nardi, Marzia *et. al.*,  
Phys. Rev. Lett. **102**: 152301 (2009) [arXiv:0808.2954].
100. **First Measurement of the J / psi Azimuthal Anisotropy in PHENIX at Forward Rapidity in Au + Au Collisions at  $s(NN)^{1/2} = 200$ -GeV**,  
Silvestre, Catherine,  
Eur. Phys. J. C **61**: 841-845 (2009) [arXiv:0808.2925].
101. **J / psi suppression and p(T) spectra in RHIC and LHC energy collisions**,  
Chaudhuri, A. K.,  
Eur. Phys. J. C **61**: 331-338 (2009) [arXiv:0808.2702].
102. **Dissociation of quarkonium in hot QCD medium Modification of the inter-quark potential**,  
Agotiya, Vineet, Chandra, Vinod, Patra, Binoy Krishna,  
Phys. Rev. C **80**: 025210 (2009) [arXiv:0808.2699].
103. **Open and hidden charm in proton-nucleus and heavy-ion collisions**,  
Linnyk, O., Bratkovskaya, E.L., Cassing, W.,  
Int. J. Mod. Phys. E **17**: 1367-1439 (2008) [arXiv:0808.1504].
104. **Holographic quark gluon plasma with flavor**,  
Kaminski, Matthias,  
Fortsch. Phys. **57**: 3-148 (2009) [arXiv:0808.1114].
105. **Quarkonium transport in thermal AdS/CFT**,  
Dusling, Kevin, Erdmenger, Johanna, Kaminski, Matthias *et. al.*,  
JHEP **0810**: 098 (2008) [arXiv:0808.0957].
106. **Charmonium and bottomonium production in heavy-ion collisions**,  
Rapp, R., Blaschke, D., Crochet, P.,  
Prog. Part. Nucl. Phys. **65**: 209-266 (2010) [arXiv:0807.2470].
107. **Relativistic Nucleus-Nucleus Collisions and the QCD Matter Phase Diagram**,  
Stock, Reinhard,  
[arXiv:0807.1610].
108. **A Look at the influence of the J/psi transverse momentum on shadowing**,  
Rakotozafindrabe, Andry M.,  
AIP Conf. Proc. **1038**: 63-72 (2008) [arXiv:0806.3678].
109. **Resonance Recombination Model: A Dynamical Framework for Hadronization**,  
Ravagli, L., van Hees, H., Rapp, R.,  
Phys. Rev. C **79**: 064902 (2009) [arXiv:0806.2055].
110. **Charmonium Production at High p(t) at RHIC**,  
Zhao, Xingbo, Rapp, Ralf,  
[arXiv:0806.1239].
111. **[SELF CITATION] Heavy flavor in heavy-ion collisions at RHIC and RHIC II**,  
Frawley, Anthony D., Ullrich, T., Vogt, R.,  
Phys. Rept. **462**: 125-175 (2008) [arXiv:0806.1013].
112. **Statistical hadronization of charm: From FAIR to the LHC**,  
Andronic, A., Braun-Munzinger, P., Redlich, K. *et. al.*,  
J. Phys. GG **35**: 104155 (2008) [arXiv:0805.4781].
113. **[SELF CITATION] Heavy Ion Physics Prospects with the ATLAS Detector at the LHC**,  
Grau, N., Collaboration, for the ATLAS,  
J. Phys. GG **35**: 104040 (2008) [arXiv:0805.4656].
114. **PHENIX first measurement of the J/psi elliptic flow parameter  $v_2$  in Au + Au collisions at  $s(NN)^{1/2} = 200$ -GeV**,  
Silvestre, Catherine,  
J. Phys. GG **35**: 104136 (2008) [arXiv:0806.0475].
115. **High-mass dimuon resonances in Pb-Pb collisions at 5.5-TeV in CMS**,  
Dutta, Dipanwita,  
[arXiv:0806.0257].
116. **Quarkonia Production in Hot and Cold Matters**,  
Granier de Cassagnac, Raphael,  
J. Phys. GG **35**: 104023 (2008) [arXiv:0806.0046].
117. **J/psi production measurements by the PHENIX experiment at RHIC**,  
Atomssa, Ermias T.,  
Eur. Phys. J. C **61**: 683-686 (2009) [arXiv:0805.4562].
118. **Charmonium Dissociation and Recombination: Cold Effects**,  
Ferreiro, E.G.,  
[arXiv:0805.2753].
119. **Highlights from PHENIX - II**,  
Awes, Terry C.,  
J. Phys. GG **35**: 104007 (2008) [arXiv:0805.1636].
120. **Results from the PHENIX experiment at RHIC**,  
Pereira Da Costa, H.,  
J. Phys. GG **35**: 044002 (2008)
121. **Medium effects on jet correlations in Au + Au and Cu + Cu collisions at PHENIX-RHIC**,  
Pei, Hua,  
J. Phys. GG **35**: 044014 (2008)
122. **Quarkonium signal of deconfinement**,  
Mocsy, Agnes, Petreczky, Peter,  
J. Phys. GG **35**: 044038 (2008)
123. **Measurements of Cold Nuclear Matter Effects on J/psi in the PHENIX Experiment via Deuteron-Gold Collisions**,  
Wysocki, Matthew,  
J. Phys. GG **35**: 104069 (2008) [arXiv:0804.4660].
124. **J/psi production in Cu+Cu and Au+Au collisions at RHIC-PHENIX**,  
Oda, Susumu X.,  
J. Phys. GG **35**: 104069 (2009) [arXiv:0804.4446].
125. **Charmonium dynamics in dA and AA at RHIC and LHC**,  
Tywoniuk, K., Bravina, L., Capella, A. *et. al.*,  
J. Phys. GG **35**: 104156 (2008) [arXiv:0804.4320].
126. **J/psi suppression and p(T) broadening at SPS and at RHIC**,  
Chaudhuri, A. K.,  
Eur. Phys. J. C **63**: 104156 (2009)

127. **J/psi production in Cu + Cu collisions at 200-GeV per nucleon measured by the PHENIX experiment**,  
Rakotozafindrabe, Andry M.,
128. **Sequential melting of charmonium states in an expanding Quark Gluon Plasma and J/psi suppression at RHIC and LHC energy collisions**,  
Chaudhuri, A.K.,  
J.Phys.GG35: 095107 (2008) [arXiv:0804.1455].
129. **Charmoniumin strongly coupled quark-gluon plasma**,  
Young, Clint, Shuryak, Edward,  
Phys.Rev.C79: 034907 (2009) [arXiv:0803.2866].
130. **Properties of J/psi at Te: QCD second-order Stark effect**,  
Lee, Su Houng, Morita, Kenji,  
Phys.Rev.D79: 011501 (2009) [arXiv:0802.4000].
131. **Transverse momentum broadening of vector boson production in high energy nuclear collisions**,  
Kang, Zhong-Bo, Qiu, Jian-Wei,  
Phys.Rev.D77: 114027 (2008) [arXiv:0802.2904].
132. [SELF CITATION] **Transverse momentum dependence of J/psi shadowing effects**,  
Ferreiro, E.G., Fleuret, F., Rakotozafindrabe, A.,  
Eur.Phys.J.C61: 859-864 (2009) [arXiv:0801.4949].
133. **Evidence for non-hadronic interactions of charm degrees of freedom in heavy-ion collisions at relativistic energies**,  
Linnyk, O., Bratkovskaya, E.L., Cassing, W.,  
Nucl.Phys.A807: 79-104 (2008) [arXiv:0801.4282].
134. **The Phase Diagram of Strongly-Interacting Matter**,  
Braun-Munzinger, P., Wambach, J.,  
Rev.Mod.Phys.A807: 79-104 (2009) [arXiv:0801.4256].
135. [SELF CITATION] **J/psi Production in s(NN)<sup>1/2</sup> = 200-GeV Cu+Cu Collisions**,  
Adare, A., Afanasiev, S., Aidala, Christine Angela, Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. et. al.,  
Phys.Rev.Lett.101: 122301 (2008) [arXiv:0801.0220].
136. **Charmoniumdissociation and recombination at RHIC and LHC**,  
Capella, A., Bravina, L., Ferreiro, E.G. et. al.,  
Eur.Phys.J.C58: 437-444 (2008) [arXiv:0712.4331].
137. **Introductory lectures on jet quenching in heavy ion collisions**,  
Casalderrey-Solana, Jorge, Salgado, Carlos A.,  
Acta Phys.Polon.B38: 3731-3794 (2007) [arXiv:0712.3443].
138. [SELF CITATION] **Particle-species dependent modification of jet-induced correlations in Au+Au collisions at s(NN)<sup>1/2</sup> = 200-GeV**,  
Afanasiev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. et. al.,  
Phys.Rev.Lett.101: 082301 (2008) [arXiv:0712.3033].
139. **Transverse Momentum Spectra of J/psi in Heavy-Ion Collisions**,  
Zhao, Xingbo, Rapp, Ralf,  
Phys.Lett.B664: 253-257 (2008) [arXiv:0712.2407].
140. [SELF CITATION] **Milestones of the PHENIX experiment at RHIC**,  
Csanad, M.,  
Frascati Phys.Ser.46: 123-132 (2007) [arXiv:0712.1435].
141. [SELF CITATION] **J/psi production in indiumindium collisions at 158-GeV/nucleon**,  
Arnaldi, R., Banicz, K., Castor, J. et. al.,  
Phys.Rev.Lett.99: 132302 (2007)
142. **A Limiting velocity for quarkonium propagation in a strongly coupled plasma via AdS/CFT**,  
Ejaz, Qudsia J., Faulkner, Thomas, Liu, Hong et. al.,  
JHEP0804: 089 (2008) [arXiv:0712.0590].
143. **Identified particle correlations at RHIC: Medium interactions and modified fragmentation**,  
Sickles, Anne,  
Acta Phys.Polon.Supp.1: 647-650 (2008) [arXiv:0712.0317].
144. **Critical behavior of charmonia across the phase transition: A QCD sum rule approach**,  
Morita, Kenji, Lee, Su Houng,  
Phys.Rev.C77: 064904 (2008) [arXiv:0711.3998].
145. [SELF CITATION] **Cold Nuclear Matter Effects on J/Psi as Constrained by Deuteron-Gold Measurements at s(NN)<sup>1/2</sup> = 200-GeV**,  
Adare, A., Adler, S.S., Afanasiev, S., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. et. al.,  
Phys.Rev.C77: 024912 (2008) [ERRAT,C79,059901.2009] [arXiv:0903.4845].
146. [SELF CITATION] **J / psi suppression at forward rapidity as a potential probe for QGP formation in colour screening scenario**,  
Mishra, M., Singh, C.P., Menon, V.J.,  
[arXiv:0711.3359].
147. **J / psi suppression in the threshold model at RHIC and LHC energy**,  
Chaudhuri, A.K.,  
J.Phys.GG35: 065105 (2008) [arXiv:0711.2133].
148. **Measurements of dilepton continuum at the PHENIX experiment at RHIC**,  
Toia, Albericia,  
PoSCPOD07: 037 (2007) [arXiv:0711.2118].
149. **Heavy quarkonium in any channel in resummed hot QCD**,  
Burnier, Y., Laine, M., Vepsalainen, M.,  
JHEP0801: 043 (2008) [arXiv:0711.1743].
150. [SELF CITATION] **Heavy Ion Collisions at the LHC - Last Call for Predictions**,  
Armesto, N., (ed.), Borghini, N., (ed.), Jeon, S., (ed.), Csernai, L.P. et. al.,  
J.Phys.GG35: 054001 (2008) [arXiv:0711.0974].
151. **Dielectron continuum measurements in s(NN)<sup>1/2</sup> = 200-GeV, Au + Au and Cu + Cu collisions at PHENIX**,  
Campbell, Sarah,  
J.Phys.GG34: S1055-S1058 (2007)
152. **J/psi hadron interaction in vacuum and in QGP**,  
Lee, Su Houng, Park, Yongjae, Kim, Kyung-II et. al.,  
J.Phys.GG34: S843-S846 (2007)
153. [SELF CITATION] **Cold nuclear matter effects on J/psi and psi-prime production**,  
Vogt, R., Lourenco, C., Leitch, M.J.,  
J.Phys.GG34: S759-S762 (2007)
154. **PHENIX results for J/psi transverse momentum and rapidity dependence in Au + Au and Cu + Cu collisions**,  
Glenn, A.M.,  
J.Phys.GG34: S737-S740 (2007)
155. **Heavy-quark and electromagnetic probes**,  
Averbeck, Ralf,  
J.Phys.GG34: S567-S574 (2007)

156. **PHENIX highlights I: Propagation of partons in a coloured medium**  
Lajoie, John,  
*J.Phys.GG34*: S191-S198 (2007)
157. **Open charm in nuclear matter at finite temperature**  
Tolos, Laura, Ramos, Angels Mizutani, Tetsuro,  
*Phys.Rev.C77*: 015207 (2008) [arXiv:0710.2684].
158. **Statistical hadronization of charm quarks in ultra-relativistic nucleus-nucleus collisions**  
Andronic, Anton, Braun-Munzinger, Peter, Redlich, Krzysztof *et. al.*,  
*PoSCP0D07*: 044 (2007) [arXiv:0710.1851].
159. **The quest for the quark-gluon plasma**  
Braun-Munzinger, Peter, Stachel, Johanna,  
*Nature448*: 302-309 (2007)
160. **The Thermal width of heavy quarkonia moving in quark gluon plasma**  
Song, Taesoo, Park, Yongjae, Lee, Su Houng *et. al.*,  
*Phys.Lett.B659*: 621-627 (2008) [arXiv:0709.0794].
161. **Charmonium and open charm production in nuclear collisions at SPS/FAIR energies and the possible influence of a hot hadronic medium**  
Andronic, A., Braun-Munzinger, P., Redlich, K. *et. al.*,  
*Phys.Lett.B659*: 149-155 (2008) [arXiv:0708.1488].
162. **Summary of the Heavy Flavor Working Group**  
Klasen, Michael, List, Benno, Hansmann-Menzemer, Stephanie *et. al.*,  
[arXiv:0707.3907].
163. [SELF CITATION] **J / psi suppression in Au+Au collisions at RHIC: Colour screening scenario in the bag model at variable participant numbers**  
Mishra, M., Singh, C.P., Menon, V.J. *et. al.*,  
*Phys.Lett.B656*: 45-50 (2007) [arXiv:0707.2641].
164. [SELF CITATION] **Hard-scattering and Jets from RHIC to LHC: A Critical review**  
Tannenbaum, M.J.,  
*PoSLHC07*: 004 (2007) [arXiv:0707.1706].
165. [SELF CITATION] **Measurements of Hard-Scattering by PHENIX at RHIC**  
Tannenbaum, M.J.,  
*Nucl.Phys.Proc.Suppl.177-178*: 150-155 (2008) [arXiv:0707.1679].
166. **What's the matter at RHIC?**  
Granier de Cassagnac, Raphael,  
*Int.J.Mod.Phys.A22*: 6043-6056 (2007) [arXiv:0707.0328].
167. [SELF CITATION] **J/psi production in Indium-Indium collisions at 158- GeV/nucleon**  
Arnaldi, R., Banicz, K., Castor, J. *et. al.*,  
*Phys.Rev.Lett.A22*: 6043-6056 (2009) [arXiv:0706.4361].
168. [SELF CITATION] **CMS physics technical design report: Addendum on high density QCD with heavy ions**  
d'Enterria, David G., (Ed.), Ballintijn, M., (Ed.), Bedjidian, M., (Ed.) *et. al.*,  
*J.Phys.GG34*: 2307-2455 (2007)
169. [SELF CITATION] **Enhancement of the dielectron continuum in s(NN)<sup>1/2</sup> = 200-GeV Au+Au collisions**  
Afanasev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*,  
*Phys.Rev.Lett.G34*: 2307-2455 (2009) [arXiv:0706.3034].
170. **Hard QCD probes to quark-gluon plasma**  
Salgado, Carlos A.,  
*Prog.Theor.Phys.Suppl.168*: 355-363 (2007) [arXiv:0706.2264].
171. **Color screening melts quarkonium**  
Mocsy, Agnes, Petreczky, Peter,  
*Phys.Rev.Lett.99*: 211602 (2007) [arXiv:0706.2183].
172. [SELF CITATION] **The Heavy Ion Physics Program with ATLAS at the LHC**  
Grau, N.,  
[arXiv:0706.1983].
173. **Charmonium dynamics in Au + Au collisions at s<sup>1/2</sup> = 200-GeV**  
Linnyk, O., Bratkovskaya, E.L., Cassing, W. *et. al.*,  
*Phys.Rev.C76*: 041901 (2007) [arXiv:0705.4443].
174. **Charmonium at high temperature in two-flavor QCD**  
Aarts, Gert, Allton, Chris, Oktay, Mehmet Bugrahan *et. al.*,  
*Phys.Rev.D76*: 094513 (2007) [arXiv:0705.2198].
175. [SELF CITATION] **Heaviness of Heavy Quarkonia in Heavy Ion Collisions**  
Nagle, J.L.,  
[arXiv:0705.1712].
176. **Quark Coalescence based on a Transport Equation**  
Ravagli, L., Rapp, R.,  
*Phys.Lett.B655*: 126-131 (2007) [arXiv:0705.0021].
177. **Widths of quarkonia in quark gluon plasma**  
Park, Yongjae, Kim, Kyung-Il, Song, Taesoo *et. al.*,  
*Phys.Rev.C76*: 044907 (2007) [arXiv:0704.3770].
178. **Mass shift and width broadening of J/psi in QGP from QCD sum rule**  
Morita, Kenji, Lee, Su Houng,  
*Phys.Rev.Lett.100*: 022301 (2008) [arXiv:0704.2021].
179. **Theoretical issues in J / psi suppression**  
Kharzeev, D.E.,  
*J.Phys.GG34*: S445-452 (2007) [hep-ph/0703259].
180. **The Future of quark matter at RHIC**  
Jacak, Barbara V., McCumber, Michael P.,  
*J.Phys.GG34*: S543-550 (2007) [nucl-ex/0703032].
181. [SELF CITATION] **Onset of J/psi Melting in Quark-Gluon Fluid at RHIC**  
Gunji, T., Hamagaki, H., Hatsuda, T. *et. al.*,  
*Phys.Rev.C76*: 051901 (2007) [hep-ph/0703061].
182. **Centrality dependence of J / psi production in Au + Au and Cu + Cu collisions by the PHENIX experiment at RHIC**  
Gunji, Taku,  
*J.Phys.GG34*: S749-752 (2007) [nucl-ex/0703004].
183. **Quarkonia measurements with the central detectors of ALICE**  
Sommer, Wolfgang, Blume, Christoph, Kramer, Frederick *et. al.*,  
*Int.J.Mod.Phys.E16*: 2484-2490 (2007) [nucl-ex/0702045].
184. **J/psi suppression in the threshold model and QGP formation time**  
Chaudhuri, A.K.,  
*Phys.Lett.B655*: 241-244 (2007) [nucl-th/0702056].

185. [SELF CITATION] **Heavy Ion Physics at RHIC**,  
Tannenbaum, M.J.,  
Int.J.Mod.Phys. **E17**: 771-801 (2008) [nucl-ex/0702028].
186. **Quarkonium production in ultra-relativistic nuclear collisions: Suppression versus enhancement**  
Braun-Munzinger, P.,  
J.Phys. **GG34**: S471-478 (2007) [nucl-th/0701093].
187. **Evidence for charmonium generation at the phase boundary in ultra-relativistic nuclear collisions**  
Andronic, A., Braun-Munzinger, P., Redlich, K. *et. al.*,  
Phys.Lett. **B652**: 259-261 (2007) [nucl-th/0701079].
188. **A d-Au data-driven prediction of cold nuclear matter effects on J/psi production in Au-Au collisions at RHIC**,  
Granier de Cassagnac, Raphael,  
J.Phys. **GG34**: S955-958 (2007) [hep-ph/0701222].
189. **Heavy quarkonia production in p+p collisions from the PHENIX experiment**,  
Bickley, Abigail  
J.Phys. **GG34**: S779-782 (2007) [nucl-ex/0701037].
190. **J/psi hadron interaction in vacuum and in QGP**,  
Lee, Su Houng, Park, Yongjae, Kim, Kyung-Il *et. al.*,  
J.Phys. Conf. Ser. **50**: 168-175 (2006) [nucl-th/0701043].
191. [SELF CITATION] **RHIC results on J / psi**  
Leitch, M.J.,  
J.Phys. **GG34**: S453-462 (2007) [nucl-ex/0701021].
192. **A Systematic study of J/psi suppression in cold nuclear matter**,  
Arleo, Francois, Tram, Vi-Nham,  
Eur.Phys. J. **C55**: 449-461 (2008) [hep-ph/0612043].
193. **Quark-Gluon Matter**,  
d'Enterria, David G.,  
J.Phys. **GG34**: S53-S82 (2007) [nucl-ex/0611012].
194. **J/psi suppression and the decrease of nuclear absorption with increasing energy**,  
Capella, A., Ferreira, E.G., Capella, A. *et. al.*,  
Phys. Rev. **C76**: 064906 (2007) [hep-ph/0610313].

Number of independent citations 158

## 11. Elliptic flow for phi mesons and (anti)deuterons in Au + Au collisions at $\sqrt{s_{NN}} = 200$ GeV,

Afnasiev S., Aidala C., Ajitanand N.N., Csanad M., Csorgo T., Kiss, A., Ster, Andras Sziklai J., Vertesi, R. *et. al.*,  
Phys.Rev.Lett **99**: 052301 (2007) [nucl-ex/0703024]. [IF: 6.944] Cited all-together [56](#) times.

1. [SELF CITATION] **A strongly coupled plasma is produced in Pb+Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV**,  
Lacey, Roy A., Taranenko, A., Ajitanand, N.N. *et. al.*,  
[arXiv:1011.6328].
2. **Energy dependence of elliptic flow from heavy-ion collision models**,  
Nasim, Md., Kumar, Lokesh, Netrakanti, Pawan Kumar *et. al.*,  
Phys. Rev. **C82**: 054908 (2010) [arXiv:1010.5196].
3. [SELF CITATION] **Initial eccentricity fluctuations and their relation to higher-order flow harmonics**  
Lacey, Roy A., Wei, Rui, Ajitanand, N.N. *et. al.*,  
[arXiv:1009.5230].
4.  **$\sqrt{s_{NN}}$  production and elliptic flow in relativistic heavy-ion collisions**,  
Song, Taesoo, Ko, Che Ming, Lee, Su Houng *et. al.*,  
[arXiv:1008.2730].
5. **Dilepton continuum at PHENIX**,  
Campbell, Sarah,  
J.Phys. Conf. Ser. **230**: 012034 (2010)
6. **PHENIX results and plans on charm and dileptons**,  
Hemmick, Thomas K.,  
PoSCPOD2009: 041 (2009)
7. **RHIC physics overview**,  
Ruan, Lijuan,  
Front.Phys. China **5**: 205-214 (2010) [arXiv:1007.2882].
8. [SELF CITATION] **Rapidity dependence of deuteron production in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV**,  
Arsene, I., Bearden, I.G., Beavis, D. *et. al.*,  
[arXiv:1005.5427].
9. **Event-by-Event Simulation of the Three-Dimensional Hydrodynamic Evolution from Flux Tube Initial Conditions in Ultrarelativistic Heavy Ion Collisions**,  
Werner, K., Karpenko, Iu., Pierog, T. *et. al.*,  
Phys. Rev. **C82**: 044904 (2010) [arXiv:1004.0805].
10. **Transport model study of deuteron production in relativistic heavy ion collisions**,  
Ko, C.M., Lin, Z.W., Oh, Y.,  
Nucl.Phys. **A834**: 253C-256C (2010)
11. [SELF CITATION] **Charged and strange hadron elliptic flow in Cu+Cu collisions at  $\sqrt{s_{NN}} = 62.4$  and 200 GeV**,  
Abelev, B.I., Aggarwal, M.M., Ahammed, Z. *et. al.*,  
Phys. Rev. **C81**: 044902 (2010) [arXiv:1001.5052].
12. **Correlation between event multiplicity and elliptic flow parameter**,  
Zhou, Dai-Mei, Cheng, Yun, Yan, Yu-Liang, Csernai, Laszlo P. *et. al.*,  
[arXiv:0912.3619].
13. [SELF CITATION] **Detailed measurement of the  $Se^+ e^-$  pair continuum in Sp+pS and Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV and implications for direct photon production**,  
Adare, A., Afnasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys. Rev. **C81**: 034911 (2010) [arXiv:0912.0244].
14. **Rapidity scaling of multiplicity and flow in weakly and strongly coupled systems**,  
Torrieri, Giorgia,  
Phys. Rev. **C82**: 054906 (2010) [arXiv:0911.4775].
15. [SELF CITATION] **Methodology for the study of modified jet-like topologies in heavy ion collisions via three particle correlation functions**,  
Ajitanand, N.N., Alexander, J.M., Lacey, Roy A. *et. al.*,  
[arXiv:0911.4197].
16. **Deuteron production and elliptic flow in relativistic heavy ion collisions**,  
Oh, Yongseok, Lin, Zi-Wei, Ko, Che Ming,  
Phys. Rev. **C80**: 064902 (2009) [arXiv:0910.1977].
17. [SELF CITATION] **Yields and elliptic flow of d(anti-d) and He-3(anti-He-3) in Au + Au collisions at  $\sqrt{s_{NN}} = 200$  GeV**,  
Abelev, B.I., Aggarwal, M.M., Ahammed, Z. *et. al.*,  
[arXiv:0909.0566].

18. **Pion, kaon and proton  $v(2)$  and  $v(4)$  measured in  $s(NN)^{1/2} = 200$ -GeV Au + Au collisions by the PHENIX experiment,**  
Huang, S.,  
*J.Phys.GG36: 064061 (2009)*
19. **Elliptic flow and incomplete equilibration**  
Liu, J.L., Feng, Q.C., Wang, Q.S. *et al.*,  
*Phys.Rev.C79: 064905 (2009)*
20. **Energy Loss and Flavor Dynamics from Single Particle Measurements in PHENIX**  
Belmont, R.,  
*Nucl.Phys.A830: 697C-700C (2009) [arXiv:0907.4828].*
21. **The QCD confinement transition: Hadron formation,**  
Becattini, Francesco, Fries, R.,  
*[arXiv:0907.1031].*
22. **Elliptic Flow: A Study of Space-Momentum Correlations In Relativistic Nuclear Collisions,**  
Sorensen, Paul,  
*[arXiv:0905.0174].*
23. **[SELF CITATION] High-pT  $\pi^0$  Production with Respect to the Reaction Plane in Au + Au Collisions at  $s(NN)^{1/2} = 200$ -GeV,**  
Afanasev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et al.*,  
*Phys.Rev.C80: 054907 (2009) [arXiv:0903.4886].*
24. **A parton recombination approach to heavy ion collisions at RHIC and LHC,**  
Krieg, Daniel,  
*[arXiv:0901.3617].*
25.  **$\phi$ -meson Production at RHIC energies using the PHENIX Detector,**  
Sharma, Deepali,  
*J.Phys.GG36: 064023 (2009) [arXiv:0901.3362].*
26. **Systematic studies of global observables by PHENIX**  
Homma, Kensuke,  
*J.Phys.GG35: 104132 (2008)*
27. **Probe the QCD phase diagram with phi-mesons in high energy nuclear collisions,**  
Mohanty, B., Xu, N.,  
*J.Phys.GG36: 064022 (2009) [arXiv:0901.0313].*
28. **Anisotropies in momentum space at finite Shear Viscosity in ultrarelativistic heavy-ion collisions,**  
Greco, V., Colonna, M., Di Toro, M. *et al.*,  
*Prog.Part.Nucl.Phys.G36: 064022 (2009) [arXiv:0811.3170].*
29. **Centrality dependence of  $v(2)$  in Au + Au at  $S(NN)^{1/2} = 200$ -GeV,**  
Masui, Hiroshi,  
*Eur.Phys.J.C62: 169-173 (2009) [arXiv:0810.5414].*
30. **Dilepton spectra in p+p and Au+Au collisions at RHIC,**  
Dalms, Torsten,  
*[arXiv:0810.3040].*
31. **Hadronic Fluctuations and Correlations,**  
Koch, Volker,  
*[arXiv:0810.2520].*
32. **Surface emission and elliptic flow**  
Liu, J.L., Zhang, J.B., Tang, G.X. *et al.*,  
*Phys.Rev.C78: 034911 (2008)*
33. **Collective phenomena in non-central nuclear collisions**  
Voloshin, Sergei A., Poskanzer, Arthur M., Snellings, Raimond,  
*[arXiv:0809.2949].*
34. **First Measurement of the J /  $\psi$  Azimuthal Anisotropy in PHENIX at Forward Rapidity in Au + Au Collisions at  $s(NN)^{1/2} = 200$ -GeV,**  
Silvestre, Catherine,  
*Eur.Phys.J.C61: 841-845 (2009) [arXiv:0808.2925].*
35. **Coalescence Models For Hadron Formation From Quark Gluon Plasma,**  
Fries, Rainer J., Greco, Vincenza, Sorensen, Paul,  
*Ann.Rev.Nucl.Part.Sci.58: 177-205 (2008) [arXiv:0807.4939].*
36. **Scalings of Elliptic Flow for a Fluid at Finite Shear Viscosity,**  
Ferini, G., Colonna, M., Di Toro, M. *et al.*,  
*Phys.Lett.B670: 325-329 (2009) [arXiv:0805.4814].*
37. **Anisotropic flow: Achievements, Difficulties, Expectations,**  
Voloshin, Sergei A.,  
*J.Phys.GG35: 104014 (2008) [arXiv:0805.1351].*
38. **Results from the PHENIX experiment at RHIC,**  
Pereira Da Costa, H.,  
*J.Phys.GG35: 044002 (2008)*
39. **Study of short-lived resonances in ALICE,**  
Badala, A., Barbera, R., Blanco, F. *et al.*,  
*J.Phys.GG35: 044052 (2008)*
40. **Measurements of high p(T) identified particles  $v(2)$  and  $v(4)$  in  $s(NN) = 200$ -GeV Au+Au collisions by PHENIX**  
Huang, S.,  
*J.Phys.GG35: 104105 (2008) [arXiv:0804.4864].*
41. **Suggestions for the Research of Particle Elliptic Flow and Higher Harmonics,**  
Sa, Ben-Hao, Dong, Bao-Guo, Yan, Yu-Liang *et al.*,  
*[arXiv:0804.3655].*
42. **[SELF CITATION] Experimental and theoretical investigation of relativistic heavy ion collisions at RHIC: With focus on non-central collisions,**  
Csanad, M.,
43. **[SELF CITATION] The Fluid Nature of Quark-Gluon Plasma,**  
Zajc, W.A.,  
*Nucl.Phys.A805: 283-294 (2008) [arXiv:0802.3552].*
44. **[SELF CITATION] Interplay among the azimuthally dependent HBT radii and the elliptic flow,**  
Csanad, M., Tomasik, Boris, Csorgo, T.,  
*Eur.Phys.J.A37: 111-119 (2008) [arXiv:0801.4434].*
45. **[SELF CITATION] Centrality dependence of charged hadron and strange hadron elliptic flow from  $s(NN)^{1/2} = 200$ -GeV Au + Au collisions,**  
Abelev, B.I., Aggarwal, M.M., Ahammed, Z. *et al.*,  
*Phys.Rev.C77: 054901 (2008) [arXiv:0801.3466].*
46. **[SELF CITATION] Milestones of the PHENIX experiment at RHIC,**  
Csanad, M.,  
*Frascati Phys.Ser.46: 123-132 (2007) [arXiv:0712.1435].*

47. **Mass ordering of differential elliptic flow and its violation for phi mesons**, Hirano, Tetsufumi, Heinz Ulrich W., Kharzeev, Dmitri *et. al.*, *Phys.Rev.C* **77**: 044909 (2008) [arXiv:0710.5795].
48. **Phase-space coalescence for heavy and light quarks at RHIC**, Greco, V., *Eur.Phys.J.ST* **155**: 45-59 (2008) [arXiv:0710.0486].
49. **Dynamics and Hadronization at intermediate transverse momentum at RHIC**, Greco, V., van Hees, H., Rapp, R., *AIP Conf.Proc.* **964**: 232-237 (2007) [arXiv:0709.4622].
50. [SELF CITATION] **Quasi-Particle Degrees of Freedom versus the Perfect Fluid as Descriptors of the Quark-Gluon Plasma**, Linden Levy, L.A., Nagle J.L., Rosen, C. *et. al.*, *Phys.Rev.C* **78**: 044905 (2008) [arXiv:0709.3105].
51. **Elliptic flow of deuterons in relativistic heavy-ion collisions**, Oh, Yongseok, Ko, Che Ming, *Phys.Rev.C* **76**: 054910 (2007) [arXiv:0707.3332].
52. **What's the matter at RHIC?**, Granier de Cassagnac, Raphael, *Int.J.Mod.Phys.* **A22**: 6043-6056 (2007) [arXiv:0707.0328].
53. **Quark Coalescence based on a Transport Equation**, Ravagli, L., Rapp, R., *Phys.Lett* **B655**: 126-131 (2007) [arXiv:0705.0021].
54. **Scaling of  $v_2$  in heavy ion collisions**, Torrieri, Giorgia, *Phys.Rev.C* **76**: 024903 (2007) [nucl-th/0702013].
55. [SELF CITATION] **Electromagnetic Probes at RHIC-II**, David, G., Rapp, R., Xu, Z., *Phys.Rept.* **462**: 176-217 (2008) [nucl-ex/0611009].
56. [SELF CITATION] **Universal scaling of the elliptic flow at RHIC**, Csanad, M., Csorgo, T., Lacey, R.A. *et. al.*, [nucl-th/0605044].

Number of independent citations 40

## 12. Inclusive cross-section and double helicity asymmetry for $\pi^0$ production in $p + p$ collisions at $\sqrt{s} = 200$ GeV: Implications for the polarized gluon distribution in the proton

Adare, A., Afanasiev S., Aidala C., Csanad M., Csorgo T., Kiss, A., Ster, Andras Sziklai J., Vertesi, R. *et. al.*, *Phys.Rev.D* **76**: 051106(2007) [arXiv:0704.3599]. [IF: 4.696] Cited all-together [91](#) times.

1. **Double helicity asymmetry of inclusive neutral pion production in polarized pp collisions at  $\sqrt{s} = 62.4$  GeV**, Aoki, Kazuya,
2. **Transverse-spin and transverse-momentum effects in high-energy processes**, Barone, Vincenzo, Bradamante, Franco, Martin, Anna, *Prog.Part.Nucl.Phys.* **65**: 267-333 (2010) [arXiv:1011.0909].
3. **Hadron+photon production in hadronic collisions at Next-to-leading order accuracy**, de Florian, Daniel, Sborlini, German F.R., [arXiv:1011.0486].
4. **Nucleon Spin in QCD: Old Crisis and New Resolution**, Cho, Y.M., Ge, Mo-Lin, Zhang, Pengming [arXiv:1010.1080].
5. [SELF CITATION] **Cross section and double helicity asymmetry for  $\pi^0$  mesons and their comparison to neutral pion production in  $p+p$  collisions at  $\sqrt{s} = 200$  GeV**, Adare, A., Afanasiev S., Aidala C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et. al.*, [arXiv:1009.6224].
6. [SELF CITATION] **Event Structure and Double Helicity Asymmetry in Jet Production from Polarized  $p+p$  Collisions at  $\sqrt{s} = 200$  GeV**, Adare, A., Afanasiev S., Aidala C., Csanad, M., Csorgo [LATIN SMALL LETTER O WITH DOUBLE ACUTE], T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*, [arXiv:1009.4921].
7. **Critical examination of RHIC paradigms: Mostly high  $p_T$  S**, Tannenbaum, Michael J., [arXiv:1008.1536].
8. **Inclusive Hadron Production in the CERN-LHC Era**, Sassot, Rodolfo, Zurita, Pia, Stratmann, Marco, *Phys.Rev.D* **82**: 074011 (2010) [arXiv:1008.0540].
9. **ALICE EMCal Physics Performance Report**, Abeysekara, U., [arXiv:1008.0413].
10. **Dilepton continuum at PHENIX**, Campbell, Sarah, *J.Phys.Conf.Ser.* **230**: 012034 (2010)
11. **PHENIX results and plans on charm and dileptons**, Hemmick, Thomas K., *PoS(CPOD)2009*: 041 (2009)
12. **On the reflection of magnon bound states**, MacKay, Niall, Regelskis, Vidas, *JHEP* **1008**: 055 (2010) [arXiv:1006.4102].
13. **Higher-twist contributions to large  $p_T$  hadron production in hadronic collisions**, Arleo, Francois, Brodsky, Stanley J., Hwang, Dae Sung *et. al.*, [arXiv:1006.4045].
14. [SELF CITATION] **High  $p_T$  S direct photon and  $\pi^0$  triggered azimuthal jet correlations and measurement of  $S_{k_T}$  for isolated direct photons in  $p+p$  collisions at  $\sqrt{s} = 200$  GeV**, Adare, A., Afanasiev S., Aidala C., Csanad, M., Csorgo T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et. al.*, *Phys.Rev.D* **82**: 072001 (2010) [arXiv:1006.1347].
15. [SELF CITATION] **Measurement of neutral mesons in  $p+p$  collisions at  $\sqrt{s} = 200$  GeV and scaling properties of hadron production**, Adare, A., Afanasiev S., Aidala C., Csanad, M., Csorgo T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et. al.*, [arXiv:1005.3674].
16. **Recent STAR results in high-energy polarized proton-proton collisions at RHIC**, Surrow, Bernd, *J.Phys.Conf.Ser.* **230**: 012036 (2010) [arXiv:1004.4884].
17. **Single-inclusive jet production in polarized pp collisions at RHIC to next-to-leading logarithmic accuracy**, de Florian, Daniel, Wagner, Federico, *Eur.Phys.J.* **C67**: 367-375 (2010) [arXiv:1004.0764].

18. [SELF CITATION] **Leading-Order Determination of the Gluon Polarization from high-p(T) Hadron Electroproduction**  
Airapetian, A., Akopov, N., Akopov, Z., Kisselev, A. *et. al.*,  
JHEPC **67**: 367-375 (2009) [arXiv:1002.3921].
19. **The theory and phenomenology of perturbative QCD based jet quenching**  
Majumder, A., Van Leeuwen, M.,  
[arXiv:1002.2206].
20. **Unquenched quark model for baryons: Magnetic moments, spins and orbital angular momenta**  
Bijker, R., Santopinto, E., Santopinto, E.,  
Phys. Rev. **C80**: 065210 (2009) [arXiv:0912.4494].
21. [SELF CITATION] **Inclusive  $\pi^0$ ,  $\eta$ , and direct photon production at high transverse momentum in p+p and d+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,**  
Abelev, B.I., Aggarwal, M.M., Ahammed, Z. *et. al.*,  
Phys. Rev. **C81**: 064904 (2010) [arXiv:0912.3838].
22. [SELF CITATION] **Detailed measurement of the  $Se^+ e^- S$  pair continuum in Sp+pS and Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV and implications for direct photon production,**  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys. Rev. **C81**: 034911 (2010) [arXiv:0912.0244].
23. **Hadronic decays of light mesons measured by the PHENIX experiment at RHIC,**  
Ryabov, V.,  
Nucl. Phys. **A827**: 395C-397C (2009)
24. **Higher-Twist Dynamics in Large Transverse Momentum Hadron Production,**  
Arleo, Francois, Brodsky, Stanley J., Hwang, Dae Sung *et. al.*,  
Phys. Rev. Lett. **105**: 062002 (2010) [arXiv:0911.4604].
25. [SELF CITATION] **Longitudinal double-spin asymmetry and cross section for inclusive neutral pion production at midrapidity in polarized proton collisions at  $\sqrt{s} = 200$  GeV,**  
Abelev, B.I., Aggarwal, M.M., Ahammed, Z. *et. al.*,  
Phys. Rev. **D80**: 111108 (2009) [arXiv:0911.2773].
26. **Next-to-Leading Order QCD Corrections to Heavy Quark Correlations in Longitudinally Polarized Hadron-Hadron Collisions,**  
Riedl, Johann, Schafer, Andreas, Stratmann, Marco,  
Phys. Rev. **D80**: 114020 (2009) [arXiv:0911.2146].
27. **Understanding the proton's spin structure,**  
Myhrer, F., Thomas, A.W.,  
J. Phys. **GG37**: 023101 (2010) [arXiv:0911.1974].
28. **Systematics of parton fragmentation in  $e^+ - e^-$  and nuclear collisions,**  
Trainor, Thomas A.,  
[arXiv:0910.1125].
29. [SELF CITATION] **Double-Helicity Dependence of Jet Properties from Dihadrons in Longitudinally Polarized Sp+pS-Collisions at  $\sqrt{s} = 200$  GeV,**  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys. Rev. **D81**: 012002 (2010) [arXiv:0910.1029].
30. **Enhanced dilepton radiation at RHIC,**  
Toia, Alberica,  
Prog. Part. Nucl. Phys. **62**: 492-497 (2009)
31. **(Multiple) Hard Parton Interactions in Heavy-Ion Collisions,**  
Reygers, Klaus,  
[arXiv:0908.2377].
32. **The Role of orbital angular momentum in the proton spin,**  
Wakamatsu, M.,  
Eur. Phys. J. **A44**: 297-303 (2010) [arXiv:0908.0972].
33. **Threshold Resummation for Di-hadron Production in Hadronic Collisions,**  
Almeida, Leandro G., Sterman, George F., Vogelsang, Werner,  
Phys. Rev. **D80**: 074016 (2009) [arXiv:0907.1234].
34. **Spin Results From the PHENIX Detector at RHIC,**  
Morreale, Astrid,  
[arXiv:0905.2632].
35. **Neutral-meson production in p p collisions at RHIC and QCD test of z scaling,**  
Tokarev, M.V.,  
Phys. Atom. Nucl. **72**: 541-551 (2009)
36. **Novel two-to-three hard hadronic processes and possible studies of generalized parton distributions at hadron facilities,**  
Kumano, S., Strikman, M., Sudoh, K.,  
Phys. Rev. **D80**: 074003 (2009) [arXiv:0905.1453].
37. **Photons at PHENIX,**  
Sahlmüller, Baldo,  
[arXiv:0904.4764].
38. **Next-to-leading order QCD corrections to hadron+jet production in pp collisions at RHIC,**  
de Florian, Daniel,  
Phys. Rev. **D79**: 114014 (2009) [arXiv:0904.4402].
39. **Hard and Soft Physics at RHIC with implications for LHC,**  
Tannenbaum, Michael J.,  
PoSD **79**: 114014 (2009) [arXiv:0904.4363].
40. **Extraction of Spin-Dependent Parton Densities and Their Uncertainties**  
de Florian, Daniel, Sassot, Rodolfo, Stratmann, Marco *et. al.*,  
Phys. Rev. **D80**: 034030 (2009) [arXiv:0904.3821].
41. [SELF CITATION] **Gluon polarisation in the nucleon and longitudinal double spin asymmetries from open charm muon production**  
Aleksiev, M., Alexakhin, V. Yu., Alexandrov Yu., Kisselev, Yu. *et. al.*,  
Phys. Lett. **B676**: 31-38 (2009) [arXiv:0904.3209].
42. **Spin and orbital angular momentum of the proton,**  
Thomas, Anthony W.,  
Int. J. Mod. Phys. **E 18**: 1116-1134 (2009) [arXiv:0904.1735].
43. **The Evolution of minimum bias parton fragmentation in nuclear collisions,**  
Trainor, Thomas A.,  
[arXiv:0903.5114].
44. [SELF CITATION] **Photon-Hadron Jet Correlations in p+p and Au+Au Collisions at  $\sqrt{s} = 200$  GeV,**  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys. Rev. **C80**: 024908 (2009) [arXiv:0903.3399].
45. **Jet quenching in QCD matter: From RHIC to LHC,**  
d'Enterria, David,  
Nucl. Phys. **A827**: 356C-364C (2009) [arXiv:0902.2488].
46. **Jet quenching,**  
d'Enterria, David,  
[arXiv:0902.2011].

47. **Invariant spin in the proton**,  
Thomas, Anthony W.,  
AIP Conf. Proc. **1056**: 39-46 (2008)
48. **Evolution of minumbias parton fragmentation in nuclear collisions**,  
Trainor, Thomas A.,  
Phys. Rev. C **80**: 044901 (2009) [arXiv:0901.3387].
49. **Status of Longitudinal Polarized Parton Densities and Higher Twist**  
Leader, Elliot, Sidorov, Alexander V., Stamenov, Dimitar B.,  
AIP Conf. Proc. **1149**: 343-348 (2009) [arXiv:0901.2285].
50. **Two-particle Direct Photon-Jet Correlation Measurements in PHENIX**,  
Frantz, Justin,  
[arXiv:0901.1393].
51. **Spin Structure of the Nucleon - Status and Recent Results**,  
Kuhn, S.E., Chen, J.-P., Leader, E.,  
Prog. Part. Nucl. Phys. **63**: 1-50 (2009) [arXiv:0812.3535].
52. **Simultaneous Determination of Signal and Background Asymmetries**  
Pretz, Jorg, Le Goff, Jean-Marc,  
Nucl. Instrum. Meth. A **602**: 594-596 (2009) [arXiv:0811.1426].
53. [SELF CITATION] **Measurement of Large Transverse Momentum Hadrons and Constraints on Medium Opacity Parameters**,  
Winter, D.,  
[arXiv:0810.3727].
54. **Constraining the polarized gluon PDF in pp collisions at RHIC**,  
Ellinghaus, Frank,  
[arXiv:0810.3178].
55. **Dilepton spectra in p+p and Au+Au collisions at RHIC**,  
Dahms, Torsten,  
[arXiv:0810.3040].
56. **(Medium-modified) Fragmentation Functions**,  
Arleo, Francois,  
Eur. Phys. J. C **61**: 603-627 (2009) [arXiv:0810.1193].
57. [SELF CITATION] **Inclusive cross section and double helicity asymmetry for  $\pi^0$  production in p+p collisions at  $\sqrt{s} = 62.4$  GeV**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys. Rev. D **79**: 012003 (2009) [arXiv:0810.0701].
58. [SELF CITATION] **The Polarized gluon contribution to the proton spin from the double helicity asymmetry in inclusive  $\pi^0$  production in polarized p + p collisions at  $s^{*}(1/2) = 200$ -GeV**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys. Rev. Lett. **103**: 012003 (2009) [arXiv:0810.0694].
59. **Light Vector Mesons**,  
Milov, Alexander,  
Eur. Phys. J. C **61**: 721-728 (2009) [arXiv:0809.3880].
60. [SELF CITATION] **Measurement of light mesons at RHIC by the PHENIX experiment**,  
Naglis, M.,  
Eur. Phys. J. C **61**: 835-840 (2009) [arXiv:0809.3557].
61. [SELF CITATION] **Transversity and Transverse-Momentum-Dependent Distribution Measurements from PHENIX and BRAHMS**,  
Aidala, C.,  
[arXiv:0808.4139].
62. **Recent PHENIX Results on  $\pi^+$ - and  $\eta$  Production in polarized pp Collisions at RHIC at  $s^{*}(1/2) = 200$ -GeV**,  
Ellinghaus, Frank,  
[arXiv:0808.4124].
63. **Recent Spin Results from the PHENIX Detector at RHIC**,  
Morreale, Astrid,  
[arXiv:0808.1879].
64. **Determination of gluon polarization from deep inelastic scattering and collider data**,  
Hirai, M., Kumano, S.,  
Nucl. Phys. B **813**: 106-122 (2009) [arXiv:0808.0413].
65. **Centrality-dependent direct photon p(t) spectra in Au + Au collisions at RHIC**,  
Liu, Fu-Ming, Hirano, Tetsufumi, Werner, Klaus *et. al.*,  
Phys. Rev. C **79**: 014905 (2009) [arXiv:0807.4771].
66. **Single-inclusive hadron production in transversely polarized pp and anti-p p collisions with threshold resummation**  
de Florian, Daniel, Vogelsang, Werner, Wagner, Federico,  
Phys. Rev. D **78**: 074025 (2008) [arXiv:0807.4515].
67. **The Spin of the Proton**,  
Thomas, A.W.,  
Prog. Part. Nucl. Phys. **61**: 219-228 (2008) [arXiv:0805.4437].
68. **Recent results in high-energy longitudinal polarized proton-proton collisions at  $s^{*}(1/2) = 200$ -GeV at RHIC**,  
Sakuma, T.,  
[arXiv:0805.3692].
69. **High p(T) Direct Photon-Hadron Correlations Using the PHENIX Detector**,  
Nguyen, Matthew,  
J. Phys. G **G35**: 104121 (2008) [arXiv:0805.1225].
70. **e+e- pairs: A Clock and a thermometer of heavy ion collisions**,  
Toia, Alberica,  
J. Phys. G **G35**: 104037 (2008) [arXiv:0805.0153].
71. [SELF CITATION] **Measurements of heavy quark production via single leptons at PHENIX**,  
Hornback, Donald,  
J. Phys. G **G35**: 104113 (2008) [arXiv:0804.4825].
72. **The Baryon Anomaly: Evidence for Color Transparency and Direct Hadron Production at RHIC**,  
Brodsky, Stanley J., Sickles, Anne,  
Phys. Lett. B **668**: 111-115 (2008) [arXiv:0804.4608].
73. **Global Analysis of Helicity Parton Densities and Their Uncertainties**  
de Florian, Daniel, Sassot, Rodolfo, Stratmann, Marco *et. al.*,  
Phys. Rev. Lett. **101**: 072001 (2008) [arXiv:0804.0422].
74. **Interplay of Spin and Orbital Angular Momentum in the Proton**,  
Thomas, Anthony W.,  
Phys. Rev. Lett. **101**: 102003 (2008) [arXiv:0803.2775].
75. **Next-to-leading order QCD corrections to spin-dependent hadron-pair photoproduction**  
Hendlmeier, Christof, Schafer, Andreas, Stratmann, Marco,  
Eur. Phys. J. C **55**: 597-605 (2008) [arXiv:0803.1940].

76. [SELF CITATION] **Direct Measurement of the Gluon Polarisation in the Nucleon via Charmed Meson Production**, Alekseev, M., Alexakhin, V.Yu., Alexandrov Yu. *et. al.*, [arXiv:0802.3023].
77. [SELF CITATION] **Dilepton mass spectra in p+p collisions at  $s^{*}(1/2) = 200$ -GeV and the contribution from open charm**, Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*, Phys.Lett. **B670**: 313-320 (2009) [arXiv:0802.0050].
78. [SELF CITATION] **Onset of  $\pi^0$  Suppression Studied in Cu+Cu Collisions at  $s_{NN}=22.4, 62.4$ , and  $200$  GeV**, Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*, Phys.Rev.Lett. **101**: 162301 (2008) [arXiv:0801.4555].
79. [SELF CITATION] **Suppression pattern of neutral pions at high transverse momentum in Au + Au collisions at  $s_{NN}^{*}(1/2) = 200$ -GeV and constraints on medium transport coefficients**, Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*, Phys.Rev.Lett. **101**: 232301 (2008) [arXiv:0801.4020].
80. **Azimuthal and Single Spin Asymmetries in Hard Scattering Processes**, D'Alesio, U., Murgia, F., Prog.Part. Nucl.Phys. **61**: 394-454 (2008) [arXiv:0712.4328].
81. **Intrinsic parton motion soft mechanisms and the longitudinal spin asymmetry  $A_{LL}$  in high energy  $pp \rightarrow \pi X$** , Anselmino, M., Boglione, M., D'Alesio, U. *et. al.*, J.Phys. **GG36**: 015007 (2009) [arXiv:0710.1569].
82. [SELF CITATION] **Spin physics program at RHIC-PHENIX**, Aoki, K., [arXiv:0709.0147].
83. **The Role of the quark and gluon GPDs in hard vector-meson electroproduction**, Goloskokov, S.V., Kroll, P., Eur.Phys.J. **C53**: 367-384 (2008) [arXiv:0708.3569].
84. **Single-Inclusive Hadron Production in Polarized pp Scattering at Next-to-Leading Logarithmic Accuracy**, de Florian, Daniel, Vogelsang, Werner, Wagner, Federico, Phys.Rev. **D76**: 094021 (2007) [arXiv:0708.3060].
85. [SELF CITATION] **Hard-scattering and Jets from RHIC to LHC: A Critical review**, Tannenbaum, M.J., PoS **LHC07**: 004 (2007) [arXiv:0707.1706].
86. [SELF CITATION] **Measurements of Hard-Scattering by PHENIX at RHIC**, Tannenbaum, M.J., Nucl.Phys.Proc. Suppl. **177-178**: 150-155 (2008) [arXiv:0707.1679].
87. **Spin Physics: Session Summary**, Boer, Daniel, Hasch, Delia, Mallot, Gerhard, [arXiv:0707.1259].
88. **Multi-particle decays of light mesons measured by PHENIX at RHIC**, Milov, Alexander, [arXiv:0707.1258].
89. **Anti-Hyperon polarization in high energy pp collisions with polarized beams**, Chen, Ye, Liang, Zuo-tang, Sichtermann, Ernst *et. al.*, Phys.Rev. **D78**: 054007 (2008) [arXiv:0707.0534].
90. **Longitudinal double spin asymmetry in jet production at STAR**, Kowalik, Katarzyna, [arXiv:0706.2667].
91. [SELF CITATION] **Electromagnetic Probes at RHIC-II**, David, G., Rapp, R., Xu, Z., Phys.Rept. **462**: 176-217 (2008) [nucl-ex/0611009].

Number of independent citations 66

### 13. Transverse momentum and centrality dependence of dihadron correlations in Au+Au collisions at $s_{NN} = 200$ -GeV: Jet-quenching and the response of partonic matter

Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*, Phys.Rev. **C77**: 011901 (2008) [arXiv:0705.3238]. [IF: 3.124] Cited all-together [51](#) times.

1. **Zeroing in on jet quenching: a PHENIX perspective**, Jia, Jiangyong, Collaboration for the PHENIX, [arXiv:1012.0858].
2. **Cherenkov Radiation of Gluon Currents**, Leonidov, Andrai, Alfimov, Mihail, [arXiv:1011.0340].
3. **Critical examination of RHIC paradigms: Mostly high  $Sp_{T,S}$** , Tannenbaum, Michael J., [arXiv:1008.1536].
4. **The Quark-gluon medium**, Dremin, I.M., Leonidov, A.V., [arXiv:1006.4603].
5. **Studies of high transverse momentum phenomena in heavy ion collisions using the PHOBOS detector**, Wenger, Edward,
6. **Cherenkov radiation in moving medium**, Alfimov, Mihail, Int.J.Theor.Phys. **49**: 2215-2229 (2010) [arXiv:1004.0286].
7. **Collision geometry fluctuations and triangular flow in heavy-ion collisions**, Alver, B., Roland, G., Phys.Rev. **C81**: 054905 (2010) [ERRAT,C 82,039903,2010] [arXiv:1003.0194].
8. **Scaling Behavior of the Azimuthal Centrality Dependencies of Jet Production in Heavy-ion Collisions**, Hwa, Rudolph C., Yang, C.B., Phys.Rev. **C81**: 024908 (2010) [arXiv:0912.1377].
9. **A Closer look at the influence of tubular initial conditions on two-particle correlations**, Andrade, R., Grassi, F., Hama, Yogiro *et. al.*, J.Phys. **GG37**: 094043 (2010) [arXiv:0912.0703].
10. [SELF CITATION] **Methodology for the study of modified jet-like topologies in heavy ion collisions via three particle correlation functions**, Ajitanand, N.N., Alexander, J.M., Lacey, Roy A. *et. al.*, [arXiv:0911.4197].
11. **Equations, chromopertivity and instabilities of the quark-gluon medium**, Dremin, I.M., [arXiv:0910.0099].

12. **Heavy Flavor Production and Energy Loss with Two-Particle Correlations at PHENIX**,  
Engelmore, Tatia,  
Nucl.Phys.**A830**: 853C-856C (2009) [arXiv:0907.4813].
13. **Parton Propagation and Fragmentation in QCD Matter**,  
Accardi, Alberto, Arleo, Francois, Brooks, William K. *et. al.*,  
Riv.Nuovo Cim.**32**: 439-553 (2010) [arXiv:0907.3534].
14. **Understanding the Role of Jet and Underlying Event in p+p and d+Au Collisions from PHENIX at RHIC**,  
Jia, Jiangyong  
[arXiv:0906.3776].
15. **Aspects of Jet Production with PHENIX**,  
Nguyen, Matthew,  
[arXiv:0906.0496].
16. **Hadron Correlations in Jets and Ridges through Parton Recombination**,  
Hwa, Rudolph C.,  
[arXiv:0904.2159].
17. **Away-side asymmetry of jet correlation relative to reaction plane: A Sensitive probe for jet in-medium modifications**,  
Jia, Jiangyong, Esumi, Shinichi, Wei, Rui,  
Phys. Rev. Lett.**103**: 022301 (2009) [arXiv:0903.3263].
18. **QCD in the nuclear medium and effects due to Cherenkov gluons**,  
Dremin, I.M.,  
Phys.Atom.Nucl.**73**: 657-671 (2010) [arXiv:0903.2941].
19. [SELF CITATION] **High transverse momentum triggered correlations over a large pseudorapidity acceptance in Au+Au collisions at  $\sqrt{s(NN)}^{1/2} = 200$  GeV**,  
Alver, B., Back, B.B., Baker, M.D. *et. al.*,  
Phys. Rev. Lett.**104**: 062301 (2010) [arXiv:0903.2811].
20. **Jet quenching in QCD matter: From RHIC to LHC**,  
d'Enterria, David,  
Nucl.Phys.**A827**: 356C-364C (2009) [arXiv:0902.2488].
21. **Jet quenching**,  
d'Enterria, David,  
[arXiv:0902.2011].
22. **Hadron Correlation in Jets on the Near and Away Sides of High-p(T) Triggers in Heavy-ion Collisions**,  
Hwa, Rudolph C., Yang, C.B.,  
Phys. Rev. C**79**: 044908 (2009) [arXiv:0812.2205].
23. **Theory Summary: International Symposium on Multiparticle Dynamics 2008**,  
Kovchegov Yuri V.,  
[arXiv:0811.2438].
24. [SELF CITATION] **Successes and failures with hard probes**,  
Tannenbaum, M.J.,  
Eur.Phys.J.**C61**: 747-759 (2009) [arXiv:0811.0532].
25. **How to Make Sense of the Jet Correlations Results at RHIC?**,  
Jia, Jiang-yong,  
Eur.Phys.J.**C62**: 255-264 (2009) [arXiv:0810.0051].
26. **Dependence of Ridge Formation on Trigger Azimuth: Correlated Emission Model**,  
Chiu, Charles B., Hwa, Rudolph C.,  
Phys. Rev. C**79**: 034901 (2009) [arXiv:0809.3018].
27. **Cherenkov Glue in Opaque Nuclear Medium**,  
Dremin, I.M., Kirakosyan, M.R., Leonidov, A.V. *et. al.*,  
Nucl.Phys.**A826**: 190-197 (2009) [arXiv:0809.2472].
28. **In-medium QCD and Cherenkov gluons versus Mach waves at LHC**,  
Dremin, I.M.,  
[arXiv:0807.2329].
29. **Influence of quenched jets on di-hadron correlations**,  
Jia, Jiangyong, Lacey, Roy,  
Phys. Rev. C**79**: 011901 (2009) [arXiv:0806.1225].
30. [SELF CITATION] **Where Feynman, Field and Fox failed and how we fixed it at RHIC**,  
Tannenbaum, M.J.,  
[arXiv:0806.0040].
31. **Refraction of Gluon jet in QGP**,  
Zhang, Hanzhong, Wang, Enke,  
[arXiv:0805.4058].
32. **Highlights from PHENIX - I**,  
Franz, A.,  
J.Phys.**GG35**: 104002 (2008) [arXiv:0805.1718].
33. **Results from the PHENIX experiment at RHIC**,  
Pereira Da Costa, H.,  
J.Phys.**GG35**: 044002 (2008)
34. **Medium effects on jet correlations in Au + Au and Cu + Cu collisions at PHENIX-RHIC**,  
Pei, Hua,  
J.Phys.**GG35**: 044014 (2008)
35. **Understanding jet quenching and medium response with di-hadron correlation**,  
Jia, Jiangyong  
J.Phys.**GG35**: 104033 (2008) [arXiv:0805.0160].
36. **Physics Revealed at Intermediate p(T)**,  
Hwa, Rudolph C.,  
J.Phys.**GG35**: 104017 (2008) [arXiv:0804.3763].
37. [SELF CITATION] **High p(T) Triggered Delta eta, Delta-phi Correlations over a Broad Range in Delta eta**,  
Alver, B., Back, B.B., Baker, M.D. *et. al.*,  
J.Phys.**GG35**: 104080 (2008) [arXiv:0804.3038].
38. **Punch-through jets in A+A collisions at RHIC/LHC**,  
Zhang, Han-zhong, Owens, J.F., Wang, Enke *et. al.*,  
J.Phys.**GG35**: 104067 (2008) [arXiv:0804.2381].
39. **In-medium QCD and Cherenkov gluons**,  
Dremin, I.M.,  
Eur.Phys.J.**C56**: 81-86 (2008) [arXiv:0802.4022].
40. [SELF CITATION] **Dihadron azimuthal correlations in Au+Au collisions at  $\sqrt{s(NN)}^{1/2} = 200$ -GeV**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys. Rev. C**78**: 014901 (2008) [arXiv:0801.4545].

41. **Probe the QGP via dihadron correlations: Jet quenching and Medium-response,**  
Jia, Jianguo  
*Acta Phys.Polon.Supp.*1: 605-608 (2008) [arXiv:0712.3606].
42. **Introductory lectures on jet quenching in heavy ion collisions,**  
Casalderrey-Solana, Jorge, Salgado, Carlos A.,  
*Acta Phys.Polon.* **B38**: 3731-3794 (2007) [arXiv:0712.3443].
43. [SELF CITATION] **Particle-species dependent modification of jet-induced correlations in Au+Au collisions at  $s(NN)^{1/2} = 200$ -GeV,**  
Afanasyev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*,  
*Phys.Rev.Lett.* **101**: 082301 (2008) [arXiv:0712.3033].
44. **Near Zone Navier-Stokes Analysis of Heavy Quark Jet Quenching in an N=4 SYM Plasma,**  
Noronha, Jorge, Torrieri, Giorgio, Gyulassy, Miklos,  
*Phys.Rev.C* **78**: 024903 (2008) [arXiv:0712.1053].
45. **Heavy ion collisions phenomenology overview,**  
Salgado, Carlos A.,  
[arXiv:0711.4980].
46. **Jet reshaping in heavy-ion collisions**  
Salgado, Carlos A.,  
*Acta Phys.Polon.Supp.*1: 615-618 (2008) [arXiv:0711.4978].
47. **The Role of energy-momentum conservation in emission of Cherenkov gluons**  
Dremin, I.M.,  
*Mod.Phys.Lett.* **A23**: 863-867 (2008) [arXiv:0710.4201].
48. **Phase space constraints and statistical jet studies in heavy-ion collisions**  
Borghini, Nicolas,  
*J.Phys.Conf.Ser.* **110**: 032005 (2008) [arXiv:0710.2588].
49. **Hard QCD probes to quark-gluon plasma,**  
Salgado, Carlos A.,  
*Prog.Theor.Phys.Suppl.* **168**: 355-363 (2007) [arXiv:0706.2264].
50. **Asymmetry of in-medium rho-mesons as a signature of Cherenkov effects,**  
Dremin, I.M., Nechitailo, V.A.,  
*Int.J.Mod.Phys.* **A24**: 1221-1228 (2009) [arXiv:0704.1081].
51. **Photon Radiation and Dilepton Production Induced by Rescattering in Strong Interacting Medium,**  
Zhang, Han-zhong, Kang, Zhong-bo, Zhang, Ben-Wei *et. al.*,  
*Eur.Phys.J.* **C67**: 445-454 (2010) [hep-ph/0609159].

Number of independent citations 44

#### 14. Enhancement of the dielectron continuum in $s(NN)^{1/2} = 200$ -GeV Au+Au collisions

Afanasyev S., Aidala C., Ajitanand N.N., Csanad M., Csorgo T., Kiss, A., Ster, Andras Sziklai J., Vertesi, R. *et. al.*,  
*Phys.Rev.Lett* **C77**: 011901 (2009) [arXiv:0706.3034]. [IF: 7.18] Cited all-together [57](#) times.

1. **RHIC physics overview,**  
Ruan, Lijuan,  
*Front.Phys.China*5: 205-214 (2010) [arXiv:1007.2882].
2. **Dilepton production in proton-proton and quasi-free proton-neutron reactions at 1.25 GeV,**  
Shyam, R., Mosel, U.,  
*Phys.Rev.C* **82**: 062201 (2010) [arXiv:1006.3873].
3. [SELF CITATION] **Heavy Quark Production in p+p and Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at  $\sqrt{s_{NN}}=200$  GeV,**  
Adare, A., Afanasyev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
[arXiv:1005.1627].
4. **Dilepton production in p+p, Cu+Cu and Au+Au collisions at 200 AGeV,**  
Manninen, J., Bratkovskaya, E.L., Cassing, W. *et. al.*,  
[arXiv:1005.0500].
5. **Dileptons from the nonequilibrium Quark-Gluon Plasma,**  
Bratkovskaya, E.L., Linnyk, O., Cassing, W.,  
*J.Phys.Conf.Ser.* **230**: 012032 (2010) [arXiv:1004.3069].
6. **Dilepton production by dynamical quasiparticles in the strongly interacting quark gluon plasma,**  
Linnyk, O.,  
[arXiv:1004.2591].
7. **Dilepton radiation by vector mesons and off-shell partons in the hot and dense medium**  
Linnyk, O., Bratkovskaya, E.L., Cassing, W.,  
*AIP Conf.Proc.* **1257**: 700-704 (2010) [arXiv:1001.3858].
8. [SELF CITATION] **Significant in-medium  $\eta'$  mass reduction in  $s(NN)^{1/2} = 200$ -GeV Au+Au collisions at RHIC,**  
Vertesi, R., Csorgo, T., Sziklai, J.,  
[arXiv:0912.0258].
9. **Thermal photons from heavy ion collisions: A spectral function approach,**  
Dusling, Kevin, Zahed, Ismail,  
*Phys.Rev.C* **82**: 054909 (2010) [arXiv:0911.2426].
10. **Origin of the low-mass electron pair excess in light nucleus-nucleus collisions,**  
Agakishiev, G., Balanda, A., Belver, D. *et. al.*,  
*Phys.Lett.* **B690**: 118-122 (2010) [arXiv:0910.5875].
11. **Radiation of an electric charge in the field of a magnetic monopole,**  
Lublinsky, Michael, Ratti, Claudia, Shuryak, Edward,  
*Phys.Rev.D* **81**: 014008 (2010) [arXiv:0910.1067].
12. **Dileptons and Photons at RHIC Energies,**  
Drees, Axel,  
*Nucl.Phys.* **A830**: 435C-442C (2009) [arXiv:0909.4976].
13. **Early times and thermalization in heavy ion collisions: A Summary of experimental results for photons, light vector mesons, open and hidden heavy flavors,**  
Da Costa, Hugo Pereira,  
*Nucl.Phys.* **A830**: 883C-890C (2009) [arXiv:0908.3178].
14. **Enhanced dilepton radiation at RHIC,**  
Toia, Alberica,  
*Prog.Part.Nucl.Phys.* **62**: 492-497 (2009)
15. **The phi meson at high temperatures and densities,**  
Vujanovic, Gojko, Ruppert, Jorg, Gale, Charles,  
*Phys.Rev.C* **80**: 044907 (2009) [arXiv:0907.5385].
16. [SELF CITATION] **Dilepton Radiation Measured in PHENIX probing the Strongly Interacting Matter Created at RHIC,**  
Akiba, Y.,  
*Nucl.Phys.* **A830**: 567C-570C (2009) [arXiv:0907.4794].

17. **Hadrons in strongly interacting matter.**  
Leupold, Stefan, Metag, Volker, Mosel, Ulrich,  
Int.J.Mod.Phys. E **19**: 147-224 (2010) [arXiv:0907.2388].
18. [SELF CITATION] **Enhanced Direct Photon Production in Au+Au Collisions at  $\sqrt{s_{NN}}(1/2) = 200$ - GeV in PHENIX.**  
Bathe, S.,  
[arXiv:0906.1746].
19. **Production of charm and bottom quarks in Sp+pS collisions at 200GeV,**  
Morino, Yuhei,  
[arXiv:0903.3504].
20. **Recent relativistic heavy ion collider results on photon, dilepton and heavy quarks,**  
Fleuret, Frederic,  
Pramana **72**: 23-36 (2009)
21. **Electromagnetic Probes,**  
Tserruya, Itzhak,  
[arXiv:0903.0415].
22. **The Chiral Restoration Transition of QCD and Low Mass Dileptons**  
Rapp, R., Wambach, J., van Hees, H.,  
[arXiv:0901.3289].
23. **Dileptons in Heavy-Ion Collisions,**  
van Hees, Hendrik, Rapp, Ralf,  
Nucl.Phys. **A827**: 341C-346C (2009) [arXiv:0901.2316].
24. **Hydrodynamic Description of Dilepton Production,**  
Dusling, Kevin,  
[arXiv:0901.2027].
25. **Hadron properties in the nuclear medium**  
Hayano, Ryugo S., Hatsuda, Tetsuo,  
Rev.Mod.Phys. **A827**: 341C-346C (2009) [arXiv:0812.1702].
26. **Dilepton production in nucleon-nucleon collisions revisited,**  
Shyam, R., Mosel, U.,  
Phys.Rev.C **79**: 035203 (2009) [arXiv:0811.0739].
27. [SELF CITATION] **Experimental Study of Dense Matter at RHIC,**  
Akiba, Y.,  
Prog.Theor.Phys.Suppl **174**: 88-102 (2008)
28. **Dilepton spectra in p+p and Au+Au collisions at RHIC,**  
Dahms, Torsten,  
[arXiv:0810.3040].
29. **Light Vector Mesons,**  
Milov, Alexander,  
Eur.Phys.J. **C61**: 721-728 (2009) [arXiv:0809.3880].
30. **Meson and di-electron production with HADES,**  
Frohlich, I., Agakishiev, G., Agodi, C. *et. al.*,  
Int.J.Mod.Phys. **A24**: 317-326 (2009) [arXiv:0809.2764].
31. **Understanding Dilepton Production in Heavy Ion Collisions by Vector Mesons of Different Varieties,**  
Brown, Gerald E., Holt, Jeremy W., Rho, Manque,  
[arXiv:0808.2300].
32. **From Kadanoff-Baym dynamics to off-shell parton transport,**  
Cassing, W.,  
Eur.Phys.J. **ST168**: 3-87 (2009) [arXiv:0808.0715].
33. **Formation and decay of hadronic resonances in the QGP,**  
Markert, C., Bellwied, R., Vitev, I.,  
Phys.Lett. **B669**: 92-97 (2008) [arXiv:0807.1509].
34. **Measurement of charm and bottom production in p+p collisions at  $\sqrt{s}(1/2) = 200$ -GeV at RHIC-PHENIX,**  
Morino, Yuhei,  
J.Phys. **GG35**: 104116 (2008) [arXiv:0805.3871].
35. **Low mass dilepton production at ultrarelativistic energies,**  
Bratkovskaya, E.L., Cassing, W., Limyk, O.,  
Phys.Lett. **B670**: 428-433 (2009) [arXiv:0805.3177].
36. **Di-electron Continuum at PHENIX,**  
Yamaguchi, Yorito L.,  
[arXiv:0805.2786].
37. **Highlights from PHENIX - II,**  
Aves, Terry C.,  
J.Phys. **GG35**: 104007 (2008) [arXiv:0805.1636].
38. **Results from the PHENIX experiment at RHIC,**  
Pereira Da Costa, H.,  
J.Phys. **GG35**: 044002 (2008)
39. **e+e- pairs: A Clock and a thermometer of heavy ion collisions**  
Toia, Alberica,  
J.Phys. **GG35**: 104037 (2008) [arXiv:0805.0153].
40. **The Dilepton probe in heavy-ion collisions,**  
van Hees, Hendrik,  
J.Phys. **GG35**: 104034 (2008) [arXiv:0804.4493].
41. **Measurements of thermal photons in heavy ion collisions with PHENIX,**  
Dahms, Torsten,  
J.Phys. **GG35**: 104118 (2008) [arXiv:0804.4309].
42. [SELF CITATION] **Enhanced production of direct photons in Au+Au collisions at  $\sqrt{s_{NN}}=200$  GeV and implications for the initial temperature,**  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.Lett. **104**: 132301 (2010) [arXiv:0804.4168].
43. **Brown-Rho Scaling in the Strong Coupling Lattice QCD,**  
Ohnishi, A., Kawamoto, N., Miura, K.,  
Mod.Phys.Lett. **A23**: 2459-2464 (2008) [arXiv:0803.0255].
44. **Dilepton Production from Dropping rho in the Vector Manifestation,**  
Harada, Masayasu, Sasaki, Chihiro,  
Mod.Phys.Lett. **A23**: 2405-2408 (2008) [arXiv:0802.3615].
45. **A-dependence of phi-meson production in p+A collisions**  
Sibirtsev, A., Hammet, H.-W., Meissner, U.-G.,  
Eur.Phys.J. **A37**: 287-301 (2008) [arXiv:0802.3373].

46. [SELF CITATION] **Dilepton mass spectra in p-p collisions at  $s^{*}(1/2) = 200$ -GeV and the contribution from open charm**, Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*, Phys.Lett **B670**: 313-320 (2009) [arXiv:0802.0050].
47. **The Phase Diagram of Strongly-Interacting Matter**, Braun-Munzinger, P., Wambach, J., Rev.Mod.Phys. **B670**: 313-320 (2009) [arXiv:0801.4256].
48. **Low mass dilepton radiation at RHIC**, Dusling, K., Zahed, I., Nucl.Phys. **A825**: 212-221 (2009) [arXiv:0712.1982].
49. [SELF CITATION] **Milestones of the PHENIX experiment at RHIC**, Csanad, M., Frascati Phys.Ser. **46**: 123-132 (2007) [arXiv:0712.1435].
50. [SELF CITATION] **Study of dielectron production in C+C collisions at 1-A-GeV**, Agakishiev, G., Agodi, C., Alvarez-Pol, H. *et. al.*, Phys.Lett **B663**: 43-48 (2008) [arXiv:0711.4281].
51. **Dilepton Radiation at the CERN Super Proton Synchrotron**, van Hees, Hendrik, Rapp, Ralf, Nucl.Phys. **A806**: 339-387 (2008) [arXiv:0711.3444].
52. **Lepton-pair production in nuclear collisions: Past, present, future**, Specht, Hans J., Nucl.Phys. **A805**: 338-346 (2008) [arXiv:0710.5433].
53. **Future Experiments in Relativistic Heavy Ion Collisions**, Bellwied, Rene, J.Phys. **GG35**: 044054 (2008) [arXiv:0710.4101].
54. **What are the degrees of freedom in the partonic fluid at RHIC?**, Bellwied, Rene, PoSCPOD07: 015 (2007) [arXiv:0709.4454].
55. **Measurement of electro-magnetic radiation at RHIC-PHENIX**, Sakaguchi, Takao, Nucl.Phys. **A805**: 355-360 (2008) [arXiv:0708.4265].
56. [SELF CITATION] **Modification of the rho-meson detected by low-mass electron-positron pairs in central Pb-Au collisions at 158-A-GeV/c**, Adamova, D., Agakichiev, G., Antonczyk, D. *et. al.*, Phys.Lett **B666**: 425-429 (2008) [nucl-ex/0611022].
57. [SELF CITATION] **Electromagnetic Probes at RHIC-II**, David, G., Rapp, R., Xu, Z., Phys.Rept. **462**: 176-217 (2008) [nucl-ex/0611009].

Number of independent citations 46

15. **Cold Nuclear Matter Effect on J/Psi as Constrained by Deuteron-Gold Measurements at  $s(NN)^{*}(1/2) = 200$ -GeV**, Adare, A., Adler, S.S., Afanasiev, S., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*, Phys.Rev. **C77**: 024912(2008) ERRATUM, C79, 059901(2009) [arXiv:0903.4845]. [IF: 3.124] Cited all-together 6 times.

Number of independent citations 6

16. **Particle species dependent modification of jet-induced correlations in Au+Au collisions at  $s(NN)^{*}(1/2) = 200$ -GeV**, Afanasiev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*, Phys.Rev.Lett **101**: 082301 (2008) [arXiv:0712.3033]. [IF: 7.18] Cited all-together 12 times.

1. **Understanding Jet Energy Loss with Angular Correlation Studies in PHENIX**, Hanks, J.A., [arXiv:1005.1605].
2. **A Closer look at the influence of tubular initial conditions on two-particle correlations**, Andrade, R., Grassi, F., Hama, Yojiro *et. al.*, J.Phys. **GG37**: 094043 (2010) [arXiv:0912.0703].
3. **Jet reconstruction in heavy ion collisions: Emphasis on Underlying Event background subtraction**, Estienne, M., [arXiv:0910.2482].
4. **The Effect of quark coalescence on conical signals**, Greco, Vincenzo, Torrieri, Giorgio, Noronha, Jorge *et. al.*, Nucl.Phys. **A830**: 785-788 (2009) [arXiv:0909.3366].
5. **Hard and Soft Physics at RHIC with implications for LHC**, Tannenbaum, Michael J., PoSA **830**: 785-788 (2009) [arXiv:0904.4363].
6. **How to Make Sense of the Jet Correlations Results at RHIC?**, Jia, Jiang-yong, Eur.Phys.J. **C62**: 255-264 (2009) [arXiv:0810.0051].
7. **A Four Component Picture for Jet Induced Correlations in Heavy Ion Collisions?**, Sicks, Anne, Eur.Phys.J. **C61**: 583-588 (2009) [arXiv:0809.3703].
8. **Influence of quenched jets on di-hadron correlations**, Jia, Jiangyong, Lacey, Roy, Phys.Rev. **C79**: 011901 (2009) [arXiv:0806.1225].
9. **Understanding jet quenching and medium response with di-hadron correlation**, Jia, Jiangyong, J.Phys. **GG35**: 104033 (2008) [arXiv:0805.0160].
10. **The 'Shoulder' and the 'Ridge' in PHENIX**, McCumber, Michael P., Collaboration for the PHENIX, J.Phys. **GG35**: 104081 (2008) [arXiv:0804.4319].
11. **Physics Revealed at Intermediate p(T)**, Hwa, Rudolph C., J.Phys. **GG35**: 104017 (2008) [arXiv:0804.3763].
12. [SELF CITATION] **Dihadron azimuthal correlations in Au+Au collisions at  $s(NN)^{*}(1/2) = 200$ -GeV**, Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*, Phys.Rev. **C78**: 014901 (2008) [arXiv:0801.4545].

Number of independent citations 11

### 17. Sourcebreakupdynamicsin Au+Au Collisionsat $s(\text{NN})^{1/2} = 200\text{-GeV}$ via three-dimensional two-pion source imaging

Afanasiev S., Aidala, Christine Angela Ajitanand N.N., Csanad M., Csorgo T., Kiss, A., Ster, Andras Sziklai J., Vertesi, R. *et. al.*, Phys.Rev.Lett **100**: 232301 (2008) [arXiv:0712.4372]. [IF: 7.18] Cited all-together [13](#) times.

1. **HBT pion interferometry with phenomenological mean field interaction**,  
Hattori, Koichi,  
Progress of Theoretical Physics 124, 2010 [arXiv:1008.1031].
2.  **$\langle S \rangle$   $\langle \chi \rangle$  Correlations: an Interweaving of Resonance Interaction, Channel Coupling and Coulomb Effects**,  
Kerbyov, B. O., Malinina, L. V.,  
Phys. Rev. C **81**: 034901 (2010) [arXiv:0912.4693].
3. **Characteristic quantities of pion-emitting sources extracted by model-independent analysis in relativistic heavy ion collisions**,  
Zhang, Wei-Ning, Yang, Zhi-Tao, Ren, Yan-Yu *et. al.*,  
Phys. Rev. C **80**: 044908 (2009) [arXiv:0909.1235].
4. **Distortion of the HBT images by meson clouds**,  
Hattori, Koichi, Matsui, T.,  
Prog. Theor. Phys. **122**: 1301-1310 (2010) [arXiv:0905.3210].
5. [SELF CITATION] **Kaon interferometric probes of space-time evolution in Au+Au collisions at  $s(\text{NN})^{1/2} = 200\text{-GeV}$** ,  
Afanasiev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys. Rev. Lett. **103**: 142301 (2009) [arXiv:0903.4863].
6. **Coulomb Effects in Femtoscopy**,  
Maj, Radoslaw, Mrowczynski, Stanislaw,  
Phys. Rev. C **80**: 034907 (2009) [arXiv:0903.0111].
7. **Distortion of the HBT images by the mean field potential**,  
Hattori, Koichi, Matsui, Tetsuo,  
Prog. Theor. Phys. Suppl. **174**: 164-167 (2008)
8. **3D pion source functions from the AMPT model**,  
Lin, Zi-Wei,  
J. Phys. G **G35**: 104138 (2008)
9. [SELF CITATION] **Experimental Study of Dense Matter at RHIC**,  
Akiba, Y.,  
Prog. Theor. Phys. Suppl. **174**: 88-102 (2008)
10. [SELF CITATION] **Three-Dimensional two-pion source image from Pb+Pb Collisions at  $s(\text{NN})^{1/2} = 17.3\text{-GeV}$ : New constraints for source breakup dynamics**,  
Alt, C., Anticic, T., Baatar, B., Csato, P., Sziklai, J. *et. al.*,  
Phys. Lett. B **685**: 41-46 (2010) [arXiv:0809.1445].
11. **Imaging of granular sources in high energy heavy ion collisions**,  
Yang, Zhi-Tao, Zhang, Wei-Ning, Huo, Lei *et. al.*,  
J. Phys. G **G36**: 015113 (2009) [arXiv:0808.2413].
12. [SELF CITATION] **PHENIX measurements of 3D emission source functions in Au+Au collisions at  $s(\text{NN})^{1/2} = 200\text{-GeV}$** ,  
Lacey, Roy A.,  
J. Phys. G **G35**: 104139 (2008) [arXiv:0805.1352].
13. **Transport model study of the  $m(T)$ -scaling for Lambda, K, and pi HBT-correlations**,  
Li, Qingfeng, Bleicher, Marcus, Stocker, Horst,  
Phys. Lett. B **663**: 395-399 (2008) [arXiv:0802.3618].

Number of independent citations 9

### 18. J/psi Production in $s(\text{NN})^{1/2} = 200\text{-GeV}$ Cu+Cu Collisions

Adare, A., Afanasiev S., Aidala, Christine Angela Csanad M., Csorgo T., Kiss, A., Ster, Andras Sziklai J., Vertesi, R. *et. al.*, Phys.Rev.Lett **101**: 122301 (2008) [arXiv:0801.0220]. [IF: 7.18] Cited all-together [57](#) times.

1. [SELF CITATION] **Cold Nuclear Matter Effects on extrinsic J/psi production at  $\sqrt{s_{\text{NN}}} = 2.76\text{ TeV}$  at the LHC**,  
Ferreiro, E.G., Fleuret, F., Lansberg, J.P. *et. al.*,  
[arXiv:1101.0488].
2. **Nuclear suppression of J/Psi: from RHIC to the LHC**,  
Kopeliovich, B. Z., Potashnikov, I. K., Schmidt, Ivan,  
[arXiv:1012.5648].
3. **On the Nuclear Modification Factor at RHIC and LHC**,  
Kormilitzin, Andrey, Levin, Eugene, Rezaeian, Amir H.,  
[arXiv:1011.1248].
4. **Bottomonium above deconfinement in lattice nonrelativistic QCD**,  
Aarts, G., Kim, S., Lombardo, M.P. *et. al.*,  
[arXiv:1010.3725].
5. **High- $p_T$  S paradigms revisited**,  
Kopeliovich, B. Z., Nemchik, J.,  
[arXiv:1009.1162].
6. **Charmonium in Medium: From Correlators to Experiment**,  
Zhao, Xingbo, Rapp, Ralf,  
[arXiv:1008.5328].
7. **Heavy Quark Production from Relativistic Heavy Ion Collisions**,  
Younus, Mohammed, Srivastava, Dinesh K.,  
J. Phys. G **G37**: 115006 (2010) [arXiv:1008.1120].
8. **Dilepton continuum at PHENIX**,  
Campbell, Sarah,  
J. Phys. Conf. Ser. **230**: 012034 (2010)
9. **Puzzles of  $SJ/\Psi$  production off nuclei**,  
Kopeliovich, B. Z.,  
[arXiv:1007.4513].
10. **Heavy Quarkonia Production in Relativistic d+A and A+A collisions at RHIC, as Measured by the PHENIX Experiment**,  
Da Costa, Hugo Pereira,  
[arXiv:1007.3688].
11. **RHIC physics overview**,  
Ruan, Lijuan,  
Front. Phys. China **5**: 205-214 (2010) [arXiv:1007.2882].
12. **Phenomenology of Heavy Flavors in Ultrarelativistic Heavy-Ion Collisions**,  
Isayev, A. A.,  
[arXiv:1006.5950].
13.  **$SJ/\Psi$  production in nuclear collisions: Theoretical approach to measuring the transport coefficient**,  
Kopeliovich, B. Z., Potashnikova, I. K., Schmidt, Ivan,  
Phys. Rev. C **82**: 024901 (2010) [arXiv:1006.3042].

14. **Dilepton production in p+p, Cu+Cu and Au+Au collisions at 200 AGeV**,  
Manninen, J., Bratkovskaya, E.L., Cassing, W. *et. al.*,  
[arXiv:1005.0500].
15. **In-medium effects in the holographic quark-gluon plasma**,  
Rust, Felix,  
Adv.High Energy Phys. **2010**: 564624 (2010) [arXiv:1003.0187].
16. [SELF CITATION] **On the theoretical and experimental uncertainties in the extraction of the J/psi absorption cross section in cold nuclear matter**,  
Rakotozafindrabe, A., Ferreira, E.G., Fleuret, F. *et. al.*,  
J.Phys.GG**37**: 094055 (2010) [arXiv:1002.2351].
17. **Production and energy loss of strange and heavy quarks**,  
Ruan, Lijuan,  
J.Phys.GG**37**: 094013 (2010) [arXiv:1001.3347].
18. [SELF CITATION] **Centrality, Rapidity and Transverse-Momentum Dependence of Cold Nuclear Matter Effects on J/Psi Production in d Au, Cu Cu and Au Au Collisions at s(NN)\*\*(1/2) = 200-GeV**,  
Ferreiro, E.G., Fleuret, F., Lansberg, J.P. *et. al.*,  
Phys.Rev.C**81**: 064911 (2010) [arXiv:0912.4498].
19. **Examine the species and beam-energy dependence of particle spectra using Tsallis Statistics**,  
Shao, Ming, Yi, Li, Tang, Zebo *et. al.*,  
J.Phys.GG**37**: 085104 (2010) [arXiv:0912.0993].
20. **Charmonium correlators and spectral functions at finite temperature**,  
Ding, H.-T., Kaczmarek, O., Karsch, F. *et. al.*,  
PoSLAT**2009**: 169 (2009) [arXiv:0910.3098].
21. **Disentangling charmonium suppression**  
Linden Levy, L.A.,  
J.Phys.GG**36**: 064013 (2009)
22. **J/psi production at high transverse momentum in p + p and A + A collisions**,  
Tang, Zebo,
23. **Open Heavy Flavor Production in Heavy Ion Collisions**,  
Dunlop, J.C.,  
Nucl.Phys.A**830**: 419C-426C (2009) [arXiv:0907.4619].
24. **J/psi production in Au+Au and Cu+Cu collisions at s(NN)\*\*(1/2) = 200-GeV at STAR**  
Kikola, Daniel,  
Nucl.Phys.A**830**: 327C-330C (2009) [arXiv:0907.4458].
25. **Hydrodynamical model for J/psi suppression and elliptic flow**,  
Chaudhuri, A.K.,  
Phys.Rev.C**80**: 047901 (2009) [arXiv:0907.3364].
26. **Analysing j/Psi Production in Various RHIC Interactions with a Version of Sequential Chain Model (SCM)**,  
Guptaroy, P., Garain, Tarun K., Sau, Goutam *et. al.*,  
[arXiv:0906.2612].
27. [SELF CITATION] **J/psi production at high transverse momentum in p+p and Cu+Cu collisions at s(NN)\*\*(1/2) = 200 GeV**,  
Abelev, B.I., Aggarwal M.M., Ahammed, Z. *et. al.*,  
Phys.Rev.C**80**: 041902 (2009) [arXiv:0904.0439].
28. **Heavy Quarks in the Quark-Gluon Plasma**,  
Rapp, Ralf, van Hees, Hendrik,  
[arXiv:0903.1096].
29. **Global analysis of J/psi suppression in cold nuclear matter**,  
Tram, Vi-Nham, Arleo, Francois,  
Eur.Phys.J.C**61**: 847-852 (2009) [arXiv:0907.0043].
30. **Viscous hydrodynamics description of phi meson production in Au+Au and Cu+Cu collisions**,  
Chaudhuri, A.K.,  
[arXiv:0901.4181].
31. **Color Deconfinement and Charmonium Production in Nuclear Collisions**,  
Kluberg, Louis, Satz, Helmut,  
[arXiv:0901.3831].
32. **Charmonium correlators and spectral functions at finite temperature**,  
Ding, H.-T., Kaczmarek, O., Karsch, F. *et. al.*,  
PoSCONFINEMENT**8**: 108 (2008) [arXiv:0901.3023].
33. **Heavy flavour physics in ALICE**,  
Masera, Massimo,  
J.Phys.GG**35**: 104144 (2008)
34. [SELF CITATION] **J/psi production at RHIC-PHENIX**,  
Oda, Susumu X.,  
J.Phys.GG**35**: 104134 (2008)
35. **Systematic studies of global observables by PHENIX**,  
Homma, Kensuke,  
J.Phys.GG**35**: 104132 (2008)
36. **Recent Heavy-Flavor results at STAR**,  
Xu, Zhang-bu,  
J.Phys.GG**36**: 064012 (2009) [arXiv:0901.0838].
37. **Charmonium suppression at RHIC and SPS: A Hadronic baseline**,  
Prorok, D., Turko, L., Blaschke, D.,  
Phys.Lett.B**690**: 352-357 (2010) [arXiv:0901.0166].
38. **On multiple scatterings of mesons in hot and cold QCD matter**,  
Dominguez, Fabio, Marquet, Cyrille, Wu, Bin,  
Nucl.Phys.A**823**: 99-119 (2009) [arXiv:0812.3878].
39. **LHC capabilities for quarkonia**,  
Petrushanko, Sergey,  
Eur.Phys.J.C**61**: 665-674 (2009)
40. **Potential Models for Quarkonia**,  
Mocsy, Agnes,  
Eur.Phys.J.C**61**: 705-710 (2009) [arXiv:0811.0337].
41. [SELF CITATION] **Experimental Study of Dense Matter at RHIC**,  
Akiba, Y.,  
Prog.Theor.Phys.Suppl**174**: 88-102 (2008)
42. [SELF CITATION] **Cold nuclear matter effects on J/psi production: Intrinsic and extrinsic transverse momentum effects**,  
Ferreiro, E.G., Fleuret, F., Lansberg, J.P. *et. al.*,  
Phys.Lett.B**680**: 50-55 (2009) [arXiv:0809.4684].

43. **Quarkonia Measurements with STAR**  
Xu, Zhangbu, Ullrich Thomas,  
Eur.Phys.J.C61: 687-691 (2009) [arXiv:0809.2288].
44. **J / psi suppression and p(T) spectra in RHIC and LHC energy collisions**  
Chaudhuri, A.K.,  
Eur.Phys.J.C61: 331-338 (2009) [arXiv:0808.2702].
45. **Quarkonium transport in thermal AdS/CFT**,  
Dusling, Kevin, Erdmenger, Johanna, Kaminski, Matthias *et. al.*,  
JHEP0810: 098 (2008) [arXiv:0808.0957].
46. **Charmonium Production at High p(t) at RHIC**,  
Zhao, Xingbo, Rapp, Ralf,  
[arXiv:0806.1239].
47. [SELF CITATION] **Heavy flavor in heavy-ion collisions at RHIC and RHIC II**,  
Frawley, Anthony D., Ullrich, T., Vogt, R.,  
Phys.Rept.462: 125-175 (2008) [arXiv:0806.1013].
48. [SELF CITATION] **Quarkonia Production in Hot and Cold Matters**,  
Granier de Cassagnac, Raphael,  
J.Phys.GG35: 104023 (2008) [arXiv:0806.0046].
49. **J/psi production measurements by the PHENIX experiment at RHIC**,  
Atomssa, Ermias T.,  
Eur.Phys.J.C61: 683-686 (2009) [arXiv:0805.4562].
50. [SELF CITATION] **Highlights from PHENIX - II**,  
Awes, Terry C.,  
J.Phys.GG35: 104007 (2008) [arXiv:0805.1636].
51. **J/psi production at high pT in p+p and A+A collisions at STAR**,  
Tang, Zebo,  
J.Phys.GG35: 104135 (2008) [arXiv:0804.4846].
52. **Measurements of Cold Nuclear Matter Effects on J/psi in the PHENIX Experiment via Deuteron-Gold Collisions**,  
Wysocki, Matthew,  
J.Phys.GG35: 104069 (2008) [arXiv:0804.4660].
53. [SELF CITATION] **J/psi production in Cu+Cu and Au+Au collisions at RHIC-PHENIX**,  
Oda, Susumu X.,  
J.Phys.GG35: 104069 (2009) [arXiv:0804.4446].
54. **J/psi suppression and p(T) broadening at SPS and at RHIC**,  
Chaudhuri, A.K.,  
Eur.Phys.J.C61: 104069 (2009)
55. **Sequential melting of charmonium states in an expanding Quark Gluon Plasma and J/psi suppression at RHIC and LHC energy collisions**,  
Chaudhuri, A.K.,  
J.Phys.GG35: 095107 (2008) [arXiv:0804.1455].
56. **Transverse momentum broadening of vector boson production in high energy nuclear collisions**,  
Kang, Zhong-Bo, Qiu, Jian-Wei,  
Phys.Rev.D77: 114027 (2008) [arXiv:0802.2904].
57. **Charmonium dissociation and recombination at RHIC and LHC**,  
Capella, A., Bravina, L., Ferreira, E.G. *et. al.*,  
Eur.Phys.J.C58: 437-444 (2008) [arXiv:0712.4331].

Number of independent citations 46

## 19. Quantitative Constraint on the Opacity of Hot Partonic Matter from Semi-Inclusive Single High Transverse Momentum Pion Suppression in Au+Au collisions at $\sqrt{s(NN)} = 200$ GeV,

Adare, A., Afanasiev S., Aidala, Christine, Angela Csanad M., Csorgo T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.C77: 064907(2008) [arXiv:0801.1665]. [IF: 3.124] Cited all-together [58](#) times.

1. **Color transparency and suppression of high-pT hadrons in nuclear collisions**  
Kopeliovich, B.Z., Potashnikova, I.K., Schmidt, Ivan,  
[arXiv:1012.2854].
2. **Comparison of radiative energy loss models in a hot QCD medium**  
Verweij, Marta,  
[arXiv:1012.0728].
3. **Probing the Frontiers of QCD**,  
Horowitz, W.A.,  
[arXiv:1011.4316].
4. **High- $p_T$  paradigms revisited**,  
Kopeliovich, B.Z., Nemchik, J.,  
[arXiv:1009.1162].
5. [SELF CITATION] **Critical examination of RHIC paradigms: Mostly high  $p_T$  S**,  
Tannenbaum, Michael J.,  
[arXiv:1008.1536].
6. **Puzzles of  $SJ/\Psi$  production off nuclei**,  
Kopeliovich, B.Z.,  
[arXiv:1007.4513].
7. [SELF CITATION] **Azimuthal anisotropy of neutral pion production in Au+Au collisions at  $\sqrt{s(NN)} = 200$  GeV: Path-length dependence of jet quenching and the role of initial geometry**,  
Adare, A., Afanasiev S., Aidala, C., Csanad, M., Csorgo T., Kiss, A., Nagy, M.I., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.Lett.105: 142301 (2010) [arXiv:1006.3740].
8.  **$SJ/\Psi$  production in nuclear collisions: Theoretical approach to measuring the transport coefficient**,  
Kopeliovich, B.Z., Potashnikova, I.K., Schmidt, Ivan,  
Phys.Rev.C82: 024901 (2010) [arXiv:1006.3042].
9. [SELF CITATION] **Transverse momentum dependence of meson suppression  $\Delta E_T$  suppression in Au+Au collisions at  $\sqrt{s(NN)} = 200$  GeV**,  
Adare, A., Afanasiev S., Aidala, C., Csanad, M., Csorgo T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.C82: 011902 (2010) [arXiv:1005.4916].
10. [SELF CITATION] **Measurement of neutral mesons in p+p collisions at  $\sqrt{s} = 200$  GeV and scaling properties of hadron production**,  
Adare, A., Afanasiev S., Aidala, C., Csanad, M., Csorgo T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
[arXiv:1005.3674].
11. [SELF CITATION] **On the theoretical and experimental uncertainties in the extraction of the J/psi absorption cross section in cold nuclear matter**,  
Rakotozafindrabe, A., Ferreira, E.G., Fleuret, F. *et. al.*,  
J.Phys.GG37: 094055 (2010) [arXiv:1002.2351].
12. **Bulk matter evolution and extraction of jet transport parameter in heavy-ion collisions at RHIC**,  
Chen, Xiao-Fang, Greiner, Carsten, Wang, Enke *et. al.*,  
Phys.Rev.C81: 064908 (2010) [arXiv:1002.1165].

13. **Competition of Heavy Quark Radiative and Collisional Energy Loss in Deconfined Matter**,  
Gossiaux, P.B., Aichelin J., Gousset, T. *et. al.*,  
J.Phys.GG37: 094019 (2010) [arXiv:1001.4166].
14. [SELF CITATION] **Centrality, Rapidity and Transverse-Momentum Dependence of Cold Nuclear Matter Effects on J/Psi Production in d Au, Cu Cu and Au Au Collisions at  $s(NN)^{1/2} = 200$ -GeV**,  
Ferreiro, E.G., Fleuret, F., Lansberg, J.P. *et. al.*,  
Phys.Rev.C81: 064911 (2010) [arXiv:0912.4498].
15. **Jet Propagation and Mach-Cone Formation in (3+1)-dimensional Ideal Hydrodynamics**  
Betz, Barbara,  
[arXiv:0910.4114].
16. **Systematic theoretical uncertainties in jet quenching due to gluon kinematics**  
Horowitz, W.A., Cole, B.A.,  
Phys.Rev.C81: 024909 (2010) [arXiv:0910.1823].
17. **Development of the ALICE Muon Spectrometer: Preparation for data taking and heavy flavor measurement**  
Stocco, Diego,
18. **(Multiple) Hard Parton Interactions in Heavy-Ion Collisions**,  
Reygers, Klaus,  
[arXiv:0908.2377].
19. [SELF CITATION] **Jet-Medium Interactions with Identified Particles**,  
Sickles, Anne M.,  
Nucl.Phys.A830: 131C-138C (2009) [arXiv:0907.4921].
20. **Ridge, Bulk, and Medium Response: How to Kill Models and Learn Something in the Process**,  
Nagle, J.L.,  
Nucl.Phys.A830: 147C-154C (2009) [arXiv:0907.2707].
21. **Lectures on high-energy heavy-ion collisions at the LHC**,  
Salgado, Carlos A.,  
[arXiv:0907.1219].
22. **Constraint fitting of experimental data with a jet quenching model embedded in a hydrodynamical bulk medium**  
Armesto, Nestor, Cacciari, Matteo, Hirano, Tetsufumi *et. al.*,  
J.Phys.GG37: 025104 (2010) [arXiv:0907.0667].
23. **Testing AdS/CFT at LHC**,  
Horowitz, W.A.,  
[arXiv:0905.0504].
24. [SELF CITATION] **Hard and Soft Physics at RHIC with implications for LHC**,  
Tannenbaum, Michael J.,  
PoSG37: 025104 (2009) [arXiv:0904.4363].
25. [SELF CITATION] **High-pt probes of the quark-gluon plasma: STAR/PHENIX results at RHIC**,  
Ogilvie, C.A.,  
Prog.Part.Nucl.Phys.62: 473-478 (2009)
26. [SELF CITATION] **System size dependence of associated yields in hadron-triggered jets**,  
Abelev, B.I., Aggarwal, M.M., Ahammed, Z. *et. al.*,  
Phys.Lett.B683: 123-128 (2010) [arXiv:0904.1722].
27. **Light-cone wave function approach to open heavy flavor dynamics in QCD matter**,  
Sharma, Rishi, Vitev, Ivan, Zhang, Ben-Wei,  
Phys.Rev.C80: 054902 (2009) [arXiv:0904.0032].
28. **Comparing energy loss phenomenology**,  
van Leeuwen, M.,  
[arXiv:0903.5174].
29. [SELF CITATION] **Cold Nuclear Matter effects on J/psi production at RHIC: Comparing shadowing models**,  
Ferreiro, E.G., Fleuret, F., Lansberg, J.P. *et. al.*,  
[arXiv:0903.4908].
30. [SELF CITATION] **High-pT pi0 Production with Respect to the Reaction Plane in Au + Au Collisions at  $s(NN)^{1/2} = 200$ -GeV**,  
Afanasyev, S., Aidala, C., Ajitanand, N.N., Csanad, M., Csorgo, T., Kiss, A., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.C80: 054907 (2009) [arXiv:0903.4886].
31. [SELF CITATION] **Z0-tagged quark jets at the Large Hadron Collider**,  
Kunde, G.J., van Hecke, H., Hessler, K. *et. al.*,  
Eur.Phys.J.C61: 785-788 (2009)
32. **Production of charm and bottom quarks in p+p collisions at 200 GeV**,  
Morino, Yuhei,  
[arXiv:0903.3504].
33. [SELF CITATION] **Photon-Hadron Jet Correlations in p+p and Au+Au Collisions at  $s^{1/2} = 200$ -GeV**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Nagy, M.I., Ster, A., Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.C80: 024908 (2009) [arXiv:0903.3399].
34. [SELF CITATION] **Pion and photon production in heavy ion collisions**,  
David, G.,  
PoSHIGH-PTLHC08: 015 (2008) [arXiv:0903.0336].
35. **Jet quenching**  
d'Enterria, David,  
[arXiv:0902.2011].
36. **Successes and failures with hard probes**,  
Tannenbaum, M.J.,  
Eur.Phys.J.C61: 747-759 (2009) [arXiv:0811.0532].
37. [SELF CITATION] **Measurement of Large Transverse Momentum Hadrons and Constraints on Medium Opacity Parameters**,  
Winter, D.,  
[arXiv:0810.3727].
38. [SELF CITATION] **Experimental Study of Dense Matter at RHIC**,  
Akiba, Y.,  
Prog.Theor.Phys.Suppl.174: 88-102 (2008)
39. **The Theory and phenomenology of jets in nuclear collisions**,  
Vitev, Ivan, Zhang, Ben-Wei, Wicks, Simon,  
Eur.Phys.J.C62: 139-144 (2009) [arXiv:0810.3052].
40. **A Theory of jet shapes and cross sections: From hadrons to nuclei**,  
Vitev, Ivan, Wicks, Simon, Zhang, Ben-Wei,  
JHEP0811: 093 (2008) [arXiv:0810.2807].
41. [SELF CITATION] **Direct Photons at RHIC**,  
David, G., Collaboration for the PHENIX,  
[arXiv:0810.0872].

42. **A Four Component Picture for Jet Induced Correlations in Heavy Ion Collisions?**,  
Sickles, Anne,  
Eur.Phys.J. **C61**: 583-588 (2009) [arXiv:0809.3703].
43. **Recent high-p(T) results from STAR**  
van Leeuwen, M.,  
Eur.Phys.J. **C61**: 569-574 (2009) [arXiv:0808.4096].
44. **Systematic Comparison of Jet Energy-Loss Schemes in a realistic hydrodynamic medium**  
Bass, Steffen A., Gale, Charles, Majumder, Abhijit *et. al.*,  
Phys.Rev. **C79**: 024901 (2009) [arXiv:0808.0908].
45. **Jet Modification in Heavy Ion Collisions at RHIC**,  
van Leeuwen, M.,  
[arXiv:0808.0808].
46. **Measurement of  $\pi^0$  and eta Mesons with PHENIX in  $s(NN)^{1/2} = 200$ -GeV Au + Au Collisions at RHIC**,  
Sahlmüller, Baldo,  
[arXiv:0806.0261].
47. **Transverse momentum broadening of heavy quark and gluon energy loss in Sakai-Sugimoto model**,  
Pang, Yi,  
JHEP**0810**: 041 (2008) [arXiv:0805.4052].
48. [SELF CITATION] **Highlights from PHENIX - II**,  
Awes, Terry C.,  
J.Phys. **GG35**: 104007 (2008) [arXiv:0805.1636].
49. **Where Does the Energy Loss Lose Strength?**,  
Barnaföldi, G.G., Fai, G., Levai P. *et. al.*,  
J.Phys. **GG35**: 104066 (2008) [arXiv:0805.0335].
50. **The Letter Q (and Quantitative Constraints on the QGP)**,  
Nagle, J.L.,  
[arXiv:0805.0299].
51. **Up to and beyond ninth order in opacity: Radiative energy loss with GLV**,  
Wicks, Simon,  
[arXiv:0804.4704].
52. **Measurements of Cold Nuclear Matter Effects on J/psi in the PHENIX Experiment via Deuteron-Gold Collisions**,  
Wysocki, Matthew,  
J.Phys. **GG35**: 104069 (2008) [arXiv:0804.4660].
53. **Characteristics of Parton Energy Loss Studied with High-p(T) Particle Spectra from PHENIX**,  
Reygers, Klaus,  
J.Phys. **GG35**: 104045 (2008) [arXiv:0804.4562].
54. **A Systematic study of direct photon production in heavy ion collisions**,  
Vitev, Ivan, Zhang, Ben-Wei,  
Phys.Lett. **B669**: 337-344 (2008) [arXiv:0804.3805].
55. **Photon-tagged jet measurements in Pb+Pb collisions at  $S(NN)^{1/2} = 5.5$ -TeV with the CMS detector**,  
Loizides, Constantin,  
J.Phys. **GG35**: 104166 (2008) [arXiv:0804.3679].
56. [SELF CITATION] **Parton fragmentation in the vacuum and in the medium**  
Albino, S., Anulli, F., Arleo, F. *et. al.*,  
[arXiv:0804.2021].
57. **Gluon energy loss in the gauge-string duality**,  
Gubser, Steven S., Gulotta, Daniel R., Pufu, Silviu S. *et. al.*,  
JHEP**0810**: 052 (2008) [arXiv:0803.1470].
58. [SELF CITATION] **Suppression pattern of neutral pions at high transverse momentum in Au + Au collisions at  $s(NN)^{1/2} = 200$ -GeV and constraints on medium transport coefficients**,  
Adare, A., Afanasiev, S., Aidala, C., Csanad, M., Csorgo, T., Kiss, A., Ster, Andras, Sziklai, J., Vertesi, R. *et. al.*,  
Phys.Rev.Lett. **101**: 232301 (2008) [arXiv:0801.4020].

Number of independent citations 37

Number of papers	19
Integrated impact factor	110.048
Number of all citations	2378
Number of independent citations	2072

## Summary table

Metric	All papers Published only	
Total eligible papers analyzed	45	40
Total number of citations	3037	2963
h:	23	22
Number of independent citations	2608	2547