

Wolf György
Publication List

Journals

1. B. Gyarmati, A.T. Kruppa, Z. Papp and Gy. Wolf;
“Single-Particle Resonant States in Deformed Potentials”
Nucl. Phys. **A417** (1984) 393
impact factor: 2.522
2. I. Lovas and Gy. Wolf;
“Critical Temperature of Nuclear Matter at the Liquid-Gas Phase Transition in a Nonlinear Field Theoretical Model”
Act. Phys. Hun., **58** (1985) 23 (KFKI - 1984 - 24)
impact factor: 0.181
3. I. Lovas, Gy. Wolf and N.L. Balázs;
“Heavy Ion Collisions and Anisotropic Hydrodynamics”
Phys. Rev. **C35** (1987) 141 (KFKI-1986 -53/A)
impact factor: 2.146
4. H.W. Barz, B. Kämpfer, B. Lukács, K. Martinás and Gy. Wolf;
“Deconfinement Transition in Anisotropic Matter”
Phys. Lett. **B194** (1987) 15 (KFKI - 1987 -14/A)
impact factor: 3.755
5. N.L. Balázs, I. Lovas, és Gy. Wolf;
“Nehézion-Ütközések Leírása Anizotróp Hidrodinamikával (in Hungarian); Study of Heavy Ion Collisions with Anisotropic Hydrodynamics”
Magyar Fiz. Foly. **36** (1989) 289
6. B. Kämpfer, B. Lukács and Gy. Wolf;
“Anisotropic Nuclear Matter with Momentum-Dependent Interaction”
Europhys. Lett., **8** (1989) 239 (KFKI - 1988 - 30/A)
impact factor: 3.198
7. W. Cassing, G. Batko, U. Mosel, K. Niita, O. Schult and Gy. Wolf;
“Subthreshold K^+ -Production in Proton-Nucleus Reactions”
Phys. Lett. **B238** (1990) 25 (UGI - 1989 - 15)
impact factor: 3.124
8. B. Kämpfer, B. Lukács, Gy. Wolf and H.W. Barz;
“Description of the Nuclear Stopping Process within Anisotropic Thermo-Hydrodynamics”
Phys. Lett. **B240** (1990) 297 (KFKI - 1990 - 03/A)
impact factor: 3.124
9. Gy. Wolf, G. Batko, W. Cassing, U. Mosel, K. Niita, M. Schäfer;
“Dilepton Production in Heavy-Ion Collisions”
Nucl. Phys. **A517** (1990) 615 (UGI -1990-3)
impact factor: 2.099

10. B. Kämpfer, B. Lukács, Gy. Wolf and H.W. Barz;
 “Generalized Hydrodynamics of Interpenetrating Nuclear Matter”
 Sov. J. Nucl. Phys. **51** (1990) 234
 impact factor: 0.544
11. W. Cassing, G. Batko, B. Blättel, V. Koch, A. Lang, U. Mosel, K. Niita,
 K. Weber and Gy. Wolf;
 “Dynamics of Heavy-Ion Reactions and the Nuclear Equation of State”
 Nucl. Phys. **A519** (1990) 357c
 impact factor: 2.099
12. G. Batko, W. Cassing, U. Mosel, K. Niita, Gy. Wolf;
 “Antiproton Production in p-Nucleus and Nucleus-Nucleus Collisions”
 Phys. Lett. **B256** (1991) 331
 impact factor: 3.227
13. Gy. Wolf, W. Cassing, U. Mosel, M. Schäfer;
 “Dilepton Production at Intermediate Heavy-Ion Collisions”
 Phys. Rev. **C43** (1991) R1501
 impact factor: 1.876
14. W. Cassing, G. Batko, T. Vetter, Gy. Wolf;
 “ η Production in Proton-Nucleus Reactions”
 Z. Phys. **A340**(1991) 51
 impact factor: 1.382
15. Gy. Wolf, W. Cassing, U. Mosel;
 “Eta Production in $^{40}\text{Ca} + ^{40}\text{Ca}$ Reactions between 0.8 and 2 GeV/A”
 Phys. Lett. **B271** (1991) 43
 impact factor: 3.227
16. Gy. Wolf, W. Cassing, U. Mosel;
 “Eta an Dilepton Production in Heavy-Ion Reactions”
 Nucl. Phys. **A545** (1992) 139c
 impact factor: 1.936
17. Gy. Wolf, W. Cassing, U. Mosel;
 “Eta an Dilepton Production in Heavy-Ion Reactions”
 Nucl. Phys. **A552** (1993) 549 (UGI-92-05)
 impact factor: 1.746
18. Gy. Wolf, W. Cassing, W. Ehehalt and U. Mosel;
 “Eta an Dilepton Production in Heavy-Ion Reactions”
 Prog. Part. Nucl. Phys. **30** (1993) 273
 impact factor: 2.283
19. W. Ehehalt, W. Cassing, A. Engel, U. Mosel and Gy. Wolf;
 “Effects of Pion- and Delta- Selfenergies in Nucleus-Nucleus Reactions”
 Phys. Lett. **B298** (1993) 31 (UGI-92-06)
 impact factor: 3.079

20. W. Ehehalt, W. Cassing, A. Engel, U. Mosel and Gy. Wolf;
 “Resonance properties in nuclear matter”
 Phys. Rev. **C47** (1993) R2467 (UGI-93-)
 impact factor: 1.967
21. A. Engel, W. Cassing, U. Mosel, M. Schäfer and Gy. Wolf;
 “Pion-nucleus reactions in a microscopic transport model”
 Nucl. Phys. **A572** (1994) 657 (UGI-93-4), nucl-th/9307008
 impact factor: 1.821
22. M. Schönhofen, M. Cubero, B.L. Friman, W. Nörenberg, Gy. Wolf;
 ” Covariant Kinetic Equations and Relaxation Processes in Relativistic
 Heavy-Ion Collisions”
 Nucl. Phys. **A572** (1994) 112 (GSI-94-10)
 impact factor: 1.821
23. G. Martinez, F.M. Marques, Y. Schutz, Gy. Wolf et al.;
 “Bremsstrahlung photons as a probe of hot nuclei”
 Phys. Lett. **B349** (1995) 23
 impact factor: 3.272
24. F.M. Marques, G. Martinez, Y. Schutz, Gy. Wolf et al.;
 “Density oscillation in systems of colliding heavy-ions observed via hard-
 photon interferometry measurements”
 Phys. Lett. **B349** (1995) 30
 impact factor: 3.272
25. Gy. Wolf;
 “Particle production in heavy-ion collisions”
 Act. Phys. Pol., **B26** (1995) 583
 impact factor: 0.432
26. Gy. Wolf;
 “ K^+ production in p-nucleus collisions”
 Heavy Ion Phys., **1** (1995) 359
 impact factor: 0.208
27. H.W. Barz, B. Kämpfer, Gy. Wolf, W. Bauer;
 “Analysis of hard two-photon correlations measured in heavy-ion reactions
 at intermediate energies”
 Phys. Rev. **C53** (1996) R553.
 impact factor: 1.993
28. Gy. Wolf;
 “ K^+ production in proton-nucleus collisions”
 Heavy Ion Phys., **4** (1996) 309
 impact factor: 0.208

29. S. Teis, W. Cassing, M. Effenberger, A. Hombach, U. Mosel, Gy. Wolf;
 “Pion Production In Heavy Ion Collisions At Sis Energies”
 Z. Phys. **A356**(1997) 421, UGI-96-16, nucl-th/9609009
 impact factor: 1.626
30. S. Teis, W. Cassing, M. Effenberger, A. Hombach, U. Mosel, Gy. Wolf;
 “Probing Nuclear Expansion Dynamics with pi- / pi+ Spectra”
 Z. Phys. **A359**(1997) 297, nucl-th/9701057
 impact factor: 1.626
31. Gy. Wolf;
 “Dilepton and vector meson production in heavy-ion reactions”
 Heavy Ion Phys., **5** (1997) 281
 impact factor: 0.208
32. Y. Schutz, G. Martinez, F.M. Marques, (TAPS collaboration) and Gy. Wolf;
 “Hard photons and neutral pions as probes of hot and dense nuclear matter”
 Nucl. Phys. **A622** (1997) 404
 impact factor: 1.988
33. A. Marin et al., (TAPS collaboration) and Gy. Wolf;
 “Exclusive π^0 and η meson production in $^{40}\text{Ar} + ^{nat}\text{Ca}$ at 800A MeV”
 Phys. Lett. **B409** (1997) 77-82
 impact factor: 3.581
34. M. Debowski, P. Senger, Gy. Wolf et al.;
 “Subthreshold K^+ production in deuteron and alpha induced nuclear reactions”
 Phys. Lett. **B413** (1997) 8-14
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35. Gy. Wolf, B. Friman, M. Soyeur;
 “In-medium omega-meson broadening and s-wave pion annihilation into e+e- pairs”
 Nucl. Phys. **A640** (1998) 129, nucl-th/9707055
 impact factor: 2.595
36. Gy. Wolf, H.W. Barz, B. Kämpfer;
 “Thermal Particle Production at SIS ?”
 Prog. Part. Nucl. Phys. **42** (1999) 157
 impact factor: 2.010
37. B. Friman, M. Lutz, Gy. Wolf;
 “Vector mesons in nuclear matter”
 Nucl. Phys. **A654** (1999) 615c
 impact factor: 2.088

38. M. Lutz, G. Wolf and B. Friman;
 “From pion nucleon scattering to vector mesons in nuclear matter”
 Nucl. Phys. **A661** (1999) 526
 impact factor: 2.088
39. H.W. Barz, M. Zétényi, Gy. Wolf, B. Kaempfer;
 “Subthreshold phi-meson production in heavy-ion collisions”
 Nucl. Phys. **A705** (2002) 223 e-Print Archive: nucl-th/0110013
 impact factor: 1.568
40. M. Zétényi, H.W. Barz, Gy. Wolf, B. Kämpfer;
 “Production of phi mesons in subthreshold heavy-ion collisions”
 Talk given at the International Conference on Strangeness 2001 Frankfurt
 J. Phys. G, **28** (2002) 2133 e-Print Archive: nucl-th/0112068
 impact factor: 1.399
41. M. Lutz, Gy. Wolf, B. Friman;
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 Nucl. Phys. **A706** (2002) 431, Erratum Nucl. Phys. **A765** (2006) 495,
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42. Gy. Wolf, M.F.M. Lutz, B. Friman;
 “From meson- and photon-nucleon scattering to vector mesons in nuclear matter”
 Proc. of the Budapest’02 Int. Workshop on Quark and Hadron Dynamics,
 Marc. 3-7 2002. Budapest, Hungary, Ed. by P. Levai, EP 2002, p. 121-128. ACTA PHYS HUNG NS-H 17 (2-4):313 2003
 impact factor: 0.097
43. M.F.M. Lutz, Gy. Wolf, B. Friman;
 “From meson- and photon-nucleon scattering to vector mesons in nuclear matter”
 Prog.Theor.Phys.Suppl.149:152-159,2003 e-Print Archive: nucl-th/0202069
 impact factor: 0.368
44. M. Zétényi, Gy. Wolf;
 “Baryonic contributions to the dilepton spectrum of nucleon-nucleon collisions”
 Phys. Rev. **C67** (2003) 044002 e-Print Archive: nucl-th/0103062
 impact factor: 2.708
45. M. Zétényi, Gy. Wolf;
 “Dilepton decays of baryon resonances”
 Heavy Ion Phys. 17 (2003) 27 e-Print Archive: nucl-th/0202047
 impact factor: 0.097
46. Gy. Wolf, M.F.M. Lutz, B. Friman;
 “VECTOR MESONS IN NUCLEAR MATTER”

Acta Phys.Hung.A19:301-304,2004
impact factor: 0.096

47. E.E. Kolomeitsev, C. Hartnack, H.W. Barz, M. Bleicher, E. Bratkovskaya, W. Cassing, L.W. Chen, P. Danielewicz, C. Fuchs, T. Gaitanos, C.M. Ko, A. Larionov, M. Reiter, Gy. Wolf, J. Aichelin;
“ TRANSPORT THEORIES FOR HEAVY ION COLLISIONS IN THE 1-A-GEV REGIME.”
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impact factor: 2.173
48. M. Zetenyi, G. Wolf “ BARYONIC CHANNELS OF DILEPTON PRODUCTION” Acta Phys.Hung.A22:239-244,2005
impact factor: 0.154
49. H.W. Barz, B. Kampfer, L. Naumann, Gy. Wolf, M. Zetenyi, “CALCULATIONS OF K⁺- AND PHI PRODUCTION IN NEAR-THRESHOLD PROTON-NUCLEUS COLLISIONS” Acta Phys.Hung.A22:231-237,2005
impact factor: 0.154
50. Gy. Wolf, ρ -A1 Mixing in pion induced reaction Acta Phys.Hung.A26:47-53,2006
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51. Gy. Wolf, Vector mesons in matter. Pramana 66:781-790,2006.
impact factor: 0.417
52. M. Thomere, C. Hartnack, G. Wolf, J. Aichelin, “Analysis of dilepton invariant mass spectrum in C+C at 2 and 1 AGeV” Phys.Rev.C75:064902,2007.
impact factor: 3.302
53. Gy. Wolf, O.P. Pavlenko, B. Kaempfer;
“Probing in-medium vector meson decays by double-differential di-electron spectra in heavy-ion collisions at SIS energies”
e-Print Archive: nucl-th/0306029 EUR. PHYS. J. ST 155 (2008) 223-230
impact factor: 2.015
54. H. Schade, Gy. Wolf, B. Kampfer:
“Role of phi decays for K-yields in relativistic heavy-ion collisions”
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55. H.W. Barz, B. Kampfer, Gy. Wolf, M. Zetenyi, “Propagation of broad meson resonances in a BUU type transport model: Application to di-electron production“ The Open Nuclear and Particle Physics Journal 3 (2010) 1-15 e-Print: arXiv:0910.1541 [nucl-th]
56. D. Parganlija, F. Giacosa, D.H. Rischke, P. Kovacs, Gy. Wolf “A Linear Sigma Model with Three Flavors and Vector and Axial-Vector Mesons“ Int.J.Mod.Phys.A26:607-609,2011. e-Print: arXiv:1009.2250 [hep-ph]

57. Gy. Wolf, B. Kampfer, M. Zetenyi, “Propagation of Spectral Functions and Dilepton production at SIS Energies“ *Physics of Atomic Nuclei*, 2012. 75. 768 DOI:10.1134/S1063778812060336
impact factor: 0.568 (2011)
58. Youngshin Kwon, Su HOUNG Lee, Kenji Morita, Gy. Wolf, “A renewed look at η' in medium“ *Phys. Rev. D* 86 (2012) 034014, YITP-12-20
impact factor: 4.558 (2011)
59. Denis Parganlija, Peter Kovacs, Gyorgy Wolf, Francesco Giacosa, Dirk H. Rischke, “Meson vacuum phenomenology in a three-flavor linear sigma model with (axial-)vector mesons.” Submitted to *Phys. Rev. D*, arXiv:1208.0585
impact factor: 4.558 (2011)
60. Miklos Zetenyi, Gyorgy Wolf “Dilepton production in pion–nucleon collisions in an effective field theory approach. “ Submitted to *Phys. Rev. C*, arXiv:1208.5671

Books

1. HOT AND DENSE MATTER IN RELATIVISTIC HEAVY ION COLLISIONS. PROCEEDINGS, WORKSHOP, BP 2004, BUDAPEST, HUNGARY, MARCH 24-27, 2004.

Proceedings

1. H.W. Barz, B. Kämpfer, B. Lukács, Gy. Wolf and K. Martinás;
“Dynamics of Interpenetrating Matter”
(Proceedings of the 8th Balaton Conference on Nuclear Physics, Balatonfüred, Hungary, 1987, ed. by J. Erő, *p.274*)
2. B. Kämpfer, B. Lukács, Gy. Wolf and H.W. Barz;
“Extended Thermo-Hydrodynamics of Interpenetrating Nuclear Systems”
(Proceedings of the International Workshop on Gross Properties of Nuclei and Nuclear Excitations, Hirschegg, Austria, 1988, ed. by H. Feldmeier *p.143*)
3. H.W. Barz, B. Kämpfer, B. Lukács and Gy. Wolf;
“Interpenetrating Nuclei”
(Proceedings of the IX International Seminar on High Energy Physics Problems, Dubna, USSR, 1988, I. ed. by V.V. Burov, *p.384*)
4. H.W. Barz, B. Kämpfer, B. Lukács and Gy. Wolf;
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(Proceedings of the International Workshop on Gross Properties of Nuclei and Nuclear Excitations, Hirschegg, Austria, 1989, ed. by H. Feldmeier *p.104*)

5. T.S. Biró, W. Cassing, U. Mosel, K. Niita, Gy. Wolf;
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 (Proceedings of the International Workshop on Gross Properties of Nuclei
 and Nuclear Excitations, Hirschegg, Austria, 1989, ed. by H. Feldmeier
p.47)
6. B. Kämpfer, Gy. Wolf, B. Lukács and H.W. Barz;
 “Description of the Nuclear Stopping Process within the Anisotropic Thermo-
 Hydrodynamics”
 (Proceedings of the NATO ASI The Nuclear Equation of State, Peniscola,
 Spain, 1989, Plenum Press, 1990, ed. by W. Greiner and H. Stöcker, part
 B, *p.363*)
7. G. Batko, T.S. Biró, W. Cassing, U. Mosel, M. Schäfer and Gy. Wolf;
 “Dilepton Production in Heavy Ion Collisions”
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8. Gy. Wolf;
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9. G. Batko, W. Cassing, U. Mosel, K. Niita and Gy. Wolf;
 “Dilepton and Kaon-Production at SIS-Energies”
 (Proceedings of the International Workshop on Gross Properties of Nuclei
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p.174)
10. Gy. Wolf, G. Batko, W. Cassing, U. Mosel, K. Niita, M. Schäfer;
 “Dilepton Production in Heavy-Ion Collisions”
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11. Gy. Wolf, W. Cassing, U. Mosel, and M. Schäfer;
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 and Nucleon–Nucleus Collisions, Saturne, Paris, France, 1990, LNS/Ph/91–
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12. G. Batko, W. Cassing, A. Engel, U. Mosel, K. Niita and Gy. Wolf;
 “Dilepton, Kaon and Antiproton-Production in Proton-Nucleus and Nucleus-
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13. Gy. Wolf, G. Batko, W. Cassing, and U. Mosel;
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14. W. Cassing, G. Batko, B. Blättel, V. Koch, U. Mosel, K. Niita and Gy. Wolf;
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15. Gy. Wolf, W. Cassing, U. Mosel, and M. Schäfer;
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16. W. Cassing, S. Hannuschke, U. Mosel, K. Niita, Gy. Wolf;
 “Phase-Space Dynamics of Heavy-Ion Reactions”
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17. Gy. Wolf;
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18. W. Cassing, H.C. Dönges, U. Mosel, M. Schäfer, Gy. Wolf;
 “Dileptons as a Signal for Hadronic Processes in Dense Matter”
 (Proceedings of the International Workshop, Bormio, Italy, 1992, p.)
19. Gy. Wolf, W. Cassing, U. Mosel;
 “Eta and Dilepton Production in Heavy-Ion Reactions”
 (Proceedings of the Workshop in Key West, Florida, 1992, ed. W. Bauer)
20. Gy. Wolf, U. Mosel, W. Cassing;
 “Dileptons as a Signal for Hadronic Processes in Dense Matter”
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21. Gy. Wolf, W. Cassing, U. Mosel;
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22. W. Ehehalt, W. Cassing, A. Engel, U. Mosel, Gy. Wolf;
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 24. Gy. Wolf;
 “Particle Production at SIS Energies”
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 25. W. Ehehalt, W. Cassing, U. Mosel, Gy. Wolf;
 “Formation of Resonance Matter in Nucleus-Nucleus Collisions”
 (Proc. of Int. Workshop on Dynamical Features of Nuclei and Finite Fermi Systems, Sitges, Spain, Sep 13-17, World Scientific, 1994 ed. by X. Vinas et al., *p.282*)
 26. Gy. Wolf, W. Cassing, U. Mosel;
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 Proceedings of the workshop on dilepton production in relativistic heavy ion collision, GSI, March 2-4, (1994) 450
 27. A. Engel, W. Cassing, U. Mosel, M. Schaefer, Gy. Wolf;
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 29. B. Friman, M. Lutz, Gy. Wolf;
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31. M. Zétényi, Gy. Wolf;
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33. Gy. Wolf, M. Lutz;
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38. Gy. Wolf;
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40. M.F.M. Lutz, G. Wolf, B. Friman;
PHENOMENOLOGY FOR NUCLEON RESONANCES WITH RELATIVISTIC MODELS. Prepared for NSTAR 2002 Workshop on the Physics of Excited Nucleons, Pittsburgh, Pennsylvania, 9-12 Oct 2002. Published in *Pittsburgh 2002, Physics of excited nucleons* 331-336
41. B. Kampfer, T. Hilger, H. Schade, R. Schulze, Gy. Wolf:
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42. D. Parganlija, F. Giacosa, D.H. Rischke, P. Kovacs, Gy. Wolf:
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