

Curriculum Vitae

Dmitri E. Kharzeev

1 Honors and awards

- Winner, USSR Competition in Physics for students, Novosibirsk, 1986
- CNRS Fellow, 2001
- Emilio Segre Distinguished Scholar, 2005
- Sackler Fellow, 2005
- Fellow of the American Physical Society, 2006

2 Education

- 1980-1986:
Student at the Quantum Statistics and Field Theory Division of the Physics Department of Moscow State University.
- 1986-1990:
Junior Staff Member at Nuclear Physics Institute of Moscow State University.
- 1990:
Doctor of Physics Degree from Moscow State University in Theoretical Particle and Nuclear Physics.

3 Professional experience

- 1990-1993:
Research Associate at Istituto Nazionale di Fisica Nucleare (INFN), Pavia, Italy and Staff Member at Nuclear Physics Institute and Physics Department of Moscow State University.
- 1992-1993: Invited Professor ("professore a contratto") at Pavia University, Italy.
- 1994-1997:
Scientific Associate at the Theory Division of CERN, Geneva, Switzerland;

- 1997:
Scientific Associate at Fakultät für Physik, Universität Bielefeld, Germany;
- 1997-2000:
Fellow, RIKEN-BNL Research Center, Brookhaven National Laboratory;
- 1999-2000:
Associate Scientist, Physics Department, Brookhaven National Laboratory;
- 2000 – 2005:
Scientist with tenure, Physics Department, Brookhaven National Laboratory;
- 2000 – 2004:
Deputy Group Leader, Nuclear Theory;
- 2004 – present:
Group Leader, Nuclear Theory;
- 2006 – present:
Senior Scientist with tenure, Physics Department, Brookhaven National Laboratory;
- 2007 – present:
Professor of Physics (adjunct), Physics Department, Yale University;

4 Visiting positions

- 1994-95:
Visiting Scientist at Fakultät für Physik, Universität Bielefeld, Germany;
- 2001:
CNRS Fellow, Université de Pierre et Marie Curie (Paris VI), France;
- 2002:
Guest scientist, Program co-organizer, Kavli Institute for Theoretical Physics, Santa Barbara, CA;
- 2008:
Guest scientist, Program co-organizer, Institute for Nuclear Theory, Seattle, WA;

5 Other professional activities

- 2001-present:
Editor, Annals of Physics
- 1999-present:
Managing Editor, International Journal of Modern Physics E (Nuclear Physics)
- 2009-present
Member of the Nuclear Science Advisory Committee (NSAC) for the Department of Energy and the National Science Foundation
- 1999-present:
Member of review panels for U.S. Department of Energy, Division of Nuclear Physics and National Science Foundation
- 2005-2008:
Elected member of the Brookhaven Council
- 2006-2008
Member of the NSAC (Nuclear Science Advisory Committee) Working group on the long range plan for nuclear science
- 2005-present:
Member of the RIKEN-BNL Advisory board
- 2002-present:
Member, RHIC planning committee at BNL
- 2000-present:
Member, Physics Department planning committee at BNL
- 2000-present:
Member, Physics Department tenure committee at BNL
- Conference organization:
(Co-)organized 46 International conferences and workshops in the US and Europe.
- Conference participation:
Delivered over 180 of invited plenary talks at international conferences and workshops, and over 40 Physics Department colloquia at the universities in the US, Canada, Europe and Asia.

6 Teaching experience

- 1990-92:
Lectures on “Group theory in quantum mechanics” and seminars on “High energy nuclear physics” at the Physics Department of Moscow State University;
- 1992-93:
Lectures on “Particle and nuclear physics” at the Physics Department of Pavia University, Italy;
- 2000:
Lectures on “High energy nuclear physics” at the Physics Department of SUNY Stony Brook;
- 2007 - present:
Adjunct Professor at the Physics Department of Yale University;
Graduate course on ”Quantum physics at femto- and nano-scales”;
- Delivered 16 courses at International nuclear and particle physics summer schools for graduate students and young researchers, including BNL School on Nuclear Physics, CERN School on High Energy Physics, etc.

7 Publications and patents

- 110 papers published in refereed international scientific journals; over 160 papers overall; about 5,900 citations (H-index = 41) according to the SLAC SPIRES database .
- US patent 60/892,595 (pending) on graphene-magnet multilayers (GMM technology) that may be used as a base for nano-scale spintronic devices; together with A.Tselik and I.Zaliznyak.

Publication list

Papers in refereed journals

1. **“D-instantons and multiparticle production in N=4 SYM”**
D. E. Kharzeev and E. M. Levin
arXiv:0910.3355 [hep-ph] (submitted to Journal of High Energy Physics);
BNL-90536-2009-JA(2009)
2. **“Chern-Simons current and local parity violation in hot QCD matter”**
D. E. Kharzeev
arXiv:0908.0314 [hep-ph]; Nucl. Phys. A, in press.
3. **“Chiral Magnetic conductivity”**
D. E. Kharzeev and H. J. Warringa
Phys. Rev. D **80**, 034028 (2009) [arXiv:0907.5007 [hep-ph]]
4. **Spin-polarized transport through a domain wall in magnetized graphene”**
M. Khodas, I.A. Zaliznyak, and D. E. Kharzeev,
Phys. Rev. **B 80**, 125428 (2009).
5. **“Hot and dense matter: from RHIC to LHC: Theoretical overview”**
D. E. Kharzeev
Nucl. Phys. A **827**, 118C (2009) [arXiv:0902.2749 [hep-ph]]
6. **“In search of the QCD-Gravity correspondence”**
T. Brasoveanu, D. Kharzeev and M. Martinez
arXiv:0901.1903 [hep-ph]; Lecture Notes in Physics, Springer, in press.
7. **“Broken scale invariance, massless dilaton and confinement in QCD”**
D. Kharzeev, E. Levin and K. Tuchin
JHEP **0906**, 055 (2009) [arXiv:0809.3794 [hep-ph]]
8. **“Parton energy loss at strong coupling and the universal bound”**
D. E. Kharzeev
Eur. Phys. J. C **61**, 675 (2009) [arXiv:0809.3000 [hep-ph]]
9. **“J/Psi production in heavy ion collisions and gluon saturation”**
D. Kharzeev, E. Levin, M. Nardi and K. Tuchin
Nucl. Phys. A **826**, 230 (2009) [arXiv:0809.2933 [hep-ph]]
10. **“The Chiral Magnetic Effect”**
K. Fukushima, D. E. Kharzeev and H. J. Warringa
Phys. Rev. D **78**, 074033 (2008) [arXiv:0808.3382 [hep-ph]]
11. **“Gluon saturation effects on J/Psi production in heavy ion collisions”**
D. Kharzeev, E. Levin, M. Nardi and K. Tuchin
Phys. Rev. Lett. **102**, 152301 (2009) [arXiv:0808.2954 [hep-ph]]

12. **Spontaneous symmetry breakings in graphene subjected to in-plane magnetic field”**
I. L. Aleiner, D. E. Kharzeev, A. M. Tsvelik,
Phys. Rev. **B 76**, 195415 (2007).
13. **“Hadronic dissipative effects on transverse dynamics at RHIC”**
T. Hirano, U. W. Heinz, D. Kharzeev, R. Lacey and Y. Nara
J. Phys. G **35**, 104124 (2008) [arXiv:0805.0064 [nucl-th]]
14. **“Heavy Ion Collisions at the LHC - Last Call for Predictions”**
N. Armesto *et al.*,
J. Phys. G **35**, 054001 (2008)
[arXiv:0711.0974 [hep-ph]].
15. **“The effects of topological charge change in heavy ion collisions: ‘Event by event P and CP violation’ ”**
D. E. Kharzeev, L. D. McLerran and H. J. Warringa,
Nucl. Phys. A **803**, 227 (2008)
[arXiv:0711.0950 [hep-ph]].
16. **“Universal properties of bulk viscosity near the QCD phase transition”**
F. Karsch, D. Kharzeev and K. Tuchin
Phys. Lett. B **663**, 217 (2008)
[arXiv:0711.0914 [hep-ph]].
17. **“Mass ordering of differential elliptic flow and its violation for phi mesons”**
T. Hirano, U. W. Heinz, D. Kharzeev, R. Lacey and Y. Nara,
Phys. Rev. C **77**, 044909 (2008)
[arXiv:0710.5795 [nucl-th]].
18. **“Hadron multiplicities at the LHC”**
D. Kharzeev, E. Levin and M. Nardi,
arXiv:0707.0811 [hep-ph]; in
J. Phys. G **35**, 054001 (2008)
19. **“Bulk viscosity of QCD matter near the critical temperature”**
D. Kharzeev and K. Tuchin
JHEP **0809**, 093 (2008) [arXiv:0705.4280 [hep-ph]]
20. **“Charge separation induced by P-odd bubbles in QCD matter”**
D. Kharzeev and A. Zhitnitsky
Nucl. Phys. A **797**, 67 (2007)
[arXiv:0706.1026 [hep-ph]].
21. **“Thermal Hadronization and Hawking-Unruh Radiation in QCD,”**
P. Castorina, D. Kharzeev and H. Satz,
Eur. Phys. J. C **52**, 187 (2007) [arXiv:0704.1426 [hep-ph]].

22. **“Theoretical issues in J/psi suppression,”**
D. E. Kharzeev,
J. Phys. G **34**, S445 (2007)
[arXiv:hep-ph/0703259].
23. **“Elliptic Flow from a Hybrid CGC, Full 3D Hydro and Hadronic Cascade Model,”**
T. Hirano, U. W. Heinz, D. Kharzeev, R. Lacey and Y. Nara,
J. Phys. G **34**, S879 (2007)
[arXiv:nucl-th/0701075].
24. **”Spin density wave formation in graphene facilitated by the in-plane magnetic field”**
D.E. Kharzeev, S.A. Reyes and A.M. Tselik
arXiv:cond-mat/0611251; submitted to Phys. Rev. Lett.
25. **”The physics of strong color fields”**
D. Kharzeev
Acta Physics Polonica B, vol. 37, no.12, p. 29, 2006.
26. **“Hawking-Unruh phenomenon in the parton language,”**
D. Kharzeev,
Eur. Phys. J. A **29**, 83 (2006).
27. **“Vacuum self-focussing of very intense laser beams”**
D. Kharzeev and K. Tuchin
Phys. Rev. A **75**, 043807 (2007) [arXiv:hep-ph/0611133].
28. **“Multi-particle production and thermalization in high-energy QCD”**
D. Kharzeev, E. Levin and K. Tuchin
Phys. Rev. C **75**, 044903 (2007) [arXiv:hep-ph/0602063].
29. **“Quantum black holes and thermalization in relativistic heavy ion collisions”**
D. Kharzeev
Nucl. Phys. A **774**, 315 (2006) [arXiv:hep-ph/0511354]
30. **“Sequential charmonium dissociation”**
F. Karsch, D. Kharzeev and H. Satz
Phys. Lett. B **637**, 75 (2006) [arXiv:hep-ph/0512239]
31. **“Hadronic dissipative effects on elliptic flow in ultrarelativistic heavy-ion collisions”**
T. Hirano, U. W. Heinz, D. Kharzeev, R. Lacey and Y. Nara
Phys. Lett. B **636**, 299 (2006) [arXiv:nucl-th/0511046]
32. **“Signatures of the color glass condensate in J/psi production off nuclear targets”**
D. Kharzeev and K. Tuchin
Nucl. Phys. A **770**, 40 (2006) [arXiv:hep-ph/0510358]

33. **“Chaos in the color glass condensate”**
D. Kharzeev and K. Tuchin
Phys. Lett. B **626**, 147 (2005) [arXiv:hep-ph/0501271]
34. **“From color glass condensate to quark gluon plasma through the event horizon”**
D. Kharzeev and K. Tuchin
Nucl. Phys. A **753**, 316 (2005) [arXiv:hep-ph/0501234]
35. **“Color glass condensate at the LHC: Hadron multiplicities in p p, p A and A A collisions”**
D. Kharzeev, E. Levin and M. Nardi
Nucl. Phys. A **747**, 609 (2005) [arXiv:hep-ph/0408050]
36. **“Parity violation in hot QCD: Why it can happen, and how to look for it”**
D. Kharzeev
Phys. Lett. B **633**, 260 (2006) [arXiv:hep-ph/0406125]
37. **“Nuclear modification factor in d + Au collisions: Onset of suppression in the color glass condensate”**
D. Kharzeev, Y. V. Kovchegov and K. Tuchin
Phys. Lett. B **599**, 23 (2004) [arXiv:hep-ph/0405045]
38. **“The Gribov conception of quantum chromodynamics”**
Y. L. Dokshitzer and D. E. Kharzeev
Ann. Rev. Nucl. Part. Sci. **54**, 487 (2004) [arXiv:hep-ph/0404216]
39. **“Jet azimuthal correlations and parton saturation in the color glass condensate”**
D. Kharzeev, E. Levin and L. McLerran
Nucl. Phys. A **748**, 627 (2005) [arXiv:hep-ph/0403271]
40. **“QCD in curved space-time: A conformal bag model”**
D. Kharzeev, E. Levin and K. Tuchin
Phys. Rev. D **70**, 054005 (2004) [arXiv:hep-ph/0403152]
41. **“Open charm production in heavy ion collisions and the color glass condensate”**
D. Kharzeev and K. Tuchin
Nucl. Phys. A **735**, 248 (2004) [arXiv:hep-ph/0310358]
42. **“Cronin effect and high-p(T) suppression in p A collisions”**
D. Kharzeev, Y. V. Kovchegov and K. Tuchin
Phys. Rev. D **68**, 094013 (2003) [arXiv:hep-ph/0307037]
43. **“Quarkonium polarization in heavy ion collisions as a possible signature of the quark-gluon plasma”**
B. L. Ioffe and D. E. Kharzeev
Phys. Rev. C **68**, 061902 (2003) [arXiv:hep-ph/0306176]

44. **“On recent puzzles in the production of heavy quarkonia”**
B. L. Ioffe and D. E. Kharzeev
Phys. Rev. D **69**, 014016 (2004) [arXiv:hep-ph/0306062]
45. **“QCD saturation and deuteron nucleus collisions”**
D. Kharzeev, E. Levin and M. Nardi
Nucl. Phys. A **730**, 448 (2004) [Erratum-ibid. A **743**, 329 (2004)] [arXiv:hep-ph/0212316]
46. **“Parton saturation and N(part) scaling of semi-hard processes in QCD”**
D. Kharzeev, E. Levin and L. McLerran
Phys. Lett. B **561**, 93 (2003) [arXiv:hep-ph/0210332]
47. **“Color transparency effects in exclusive (e,e’ p) reactions”**
A. Bianconi, S. Boffi and D. E. Kharzeev
Prog. Part. Nucl. Phys. **34**, 225 (1995)
48. **“Classical gluodynamics in curved space-time and the soft pomeron”**
D. Kharzeev, E. Levin and K. Tuchin
Phys. Lett. B **547**, 21 (2002) [arXiv:hep-ph/0204274]
49. **“Buckyballs and gluon junction networks on the femtometer scale”**
T. Csorgo, M. Gyulassy and D. Kharzeev
J. Phys. G **30**, L17 (2004) [arXiv:hep-ph/0112066]
50. **“The onset of classical QCD dynamics in relativistic heavy ion collisions”**
D. Kharzeev, E. Levin and M. Nardi
Phys. Rev. C **71**, 054903 (2005) [arXiv:hep-ph/0111315]
51. **“Anomalous chirality fluctuations in the initial stage of heavy ion collisions and parity odd bubbles”**
D. Kharzeev, A. Krasnitz and R. Venugopalan
Phys. Lett. B **545**, 298 (2002) [arXiv:hep-ph/0109253]
52. **“Generalized scaling of the transverse mass spectrum at the Relativistic Heavy-Ion Collider”**
J. Schaffner-Bielich, D. Kharzeev, L. D. McLerran and R. Venugopalan
Nucl. Phys. A **705**, 494 (2002) [arXiv:nucl-th/0108048]
53. **“Manifestations of high density QCD in the first RHIC data”**
D. Kharzeev and E. Levin
Phys. Lett. B **523**, 79 (2001) [arXiv:nucl-th/0108006]
54. **“Instantons in the saturation environment”**
D. E. Kharzeev, Y. V. Kovchegov and E. Levin
Nucl. Phys. A **699**, 745 (2002) [arXiv:hep-ph/0106248]
55. **“Heavy quark colorimetry of QCD matter”**
Y. L. Dokshitzer and D. E. Kharzeev
Phys. Lett. B **519**, 199 (2001) [arXiv:hep-ph/0106202]

56. **“Diffractive dijet production and nuclear shadowing in p A interactions”**
S. E. Vance and D. Kharzeev
Nucl. Phys. A **698**, 623 (2002) [arXiv:nucl-th/0106023]
57. **“Hadron production in nuclear collisions at RHIC and high density QCD”**
D. Kharzeev and M. Nardi
Phys. Lett. B **507**, 121 (2001) [arXiv:nucl-th/0012025]
58. **“QCD instantons and the soft pomeron”**
D. E. Kharzeev, Y. V. Kovchegov and E. Levin
Nucl. Phys. A **690**, 621 (2001) [arXiv:hep-ph/0007182]
59. **“Soft double-diffractive Higgs production at hadron colliders”**
D. Kharzeev and E. Levin
Phys. Rev. D **63**, 073004 (2001) [arXiv:hep-ph/0005311]
60. **“Scale anomaly and ‘soft’ pomeron in QCD”**
D. Kharzeev and E. Levin
Nucl. Phys. B **578**, 351 (2000) [arXiv:hep-ph/9912216]
61. **“Hadronic probes of the polarized intrinsic strangeness of the nucleon”**
J. R. Ellis, M. Karliner, D. E. Kharzeev and M. G. Sapozhnikov
Nucl. Phys. A **673**, 256 (2000) [arXiv:hep-ph/9909235]
62. **“Quarkonium formation time in a model-independent approach”**
D. Kharzeev and R. L. Thews
Phys. Rev. C **60**, 041901 (1999) [arXiv:nucl-th/9907021]
63. **“Pionic measures of parity and CP violation in high energy nuclear collisions”**
D. Kharzeev and R. D. Pisarski
Phys. Rev. D **61**, 111901 (2000) [arXiv:hep-ph/9906401]
64. **“Long-range forces of QCD”**
H. Fujii and D. Kharzeev
Phys. Rev. D **60**, 114039 (1999) [arXiv:hep-ph/9903495]
65. **“ χ_2 production in polarized p p collisions at RHIC: Measuring ΔG and testing the color octet model”**
R. L. Jaffe and D. Kharzeev
Phys. Lett. B **455**, 306 (1999) [arXiv:hep-ph/9903280]
66. **“ J/ψ photoproduction and the gluon structure of the nucleon”**
D. Kharzeev, H. Satz, A. Syamtomov and G. Zinovjev
Eur. Phys. J. C **9**, 459 (1999) [arXiv:hep-ph/9901375]
67. **“Charmonium suppression in nuclear collisions”**
D. Kharzeev
Prog. Theor. Phys. Suppl. **129**, 73 (1997)

68. **“Possibility of spontaneous parity violation in hot QCD”**
D. Kharzeev, R. D. Pisarski and M. H. G. Tytgat
Phys. Rev. Lett. **81**, 512 (1998) [arXiv:hep-ph/9804221]
69. **“Partial $U_A(1)$ restoration from Bose-Einstein correlations”**
S. E. Vance, T. Csorgo and D. Kharzeev
Phys. Rev. Lett. **81**, 2205 (1998) [arXiv:nucl-th/9802074]
70. **“The transverse momentum dependence of anomalous J/ψ suppression”**
D. Kharzeev, M. Nardi and H. Satz
Phys. Lett. B **405**, 14 (1997) [arXiv:hep-ph/9702273]
71. **“Quarkonium interactions in dense matter”**
D. Kharzeev and H. Satz
Nucl. Phys. A **590**, 515C (1995)
72. **“A quantitative analysis of charmonium suppression in nuclear collisions”**
D. Kharzeev, C. Lourenco, M. Nardi and H. Satz
Z. Phys. C **74**, 307 (1997) [arXiv:hep-ph/9612217]
73. **“Quarkonium production and colour deconfinement in nuclear collisions”**
D. Kharzeev
Nucl. Phys. A **610**, 418C (1996) [arXiv:hep-ph/9609260]
74. **“On the sum rule approach to quarkonium hadron interactions”**
D. Kharzeev, H. Satz, A. Syamtomov and G. Zinovev
Phys. Lett. B **389**, 595 (1996) [arXiv:hep-ph/9605448]
75. **“An Experimental study of anti-proton He-4 annihilation at rest”**
A. Adamo *et al.*
Nucl. Phys. A **569**, 761 (1994)
76. **“Can Gluons Trace Baryon Number?”**
D. Kharzeev
Phys. Lett. B **378**, 238 (1996) [arXiv:nucl-th/9602027]
77. **“ J/Ψ Suppression in an Equilibrating Parton Plasma”**
X. M. Xu, D. Kharzeev, H. Satz and X. N. Wang
Phys. Rev. C **53**, 3051 (1996) [arXiv:hep-ph/9511331]
78. **“Charmonium composition and nuclear suppression”**
D. Kharzeev and H. Satz
Phys. Lett. B **366**, 316 (1996) [arXiv:hep-ph/9508276]
79. **“Color transparency”**
A. Bianconi, S. Boffi and D. E. Kharzeev
Phys. Atom. Nucl. **57**, 1661 (1994) [Yad. Fiz. **57**, 1732 (1994)]

80. **“The Return of the prodigal Goldstone boson”**
 J. I. Kapusta, D. Kharzeev and L. D. McLerran
 Phys. Rev. D **53**, 5028 (1996) [arXiv:hep-ph/9507343]
81. **“Anti-nucleon nucleon and anti-nucleon nucleus interaction: A Review of experimental data”**
 G. Bendiscioli and D. Kharzeev
 Riv. Nuovo Cim. **17N6**, 1 (1994)
82. **“CP violating effect of QCD vacuum in quark fragmentation”**
 A. Efremov and D. Kharzeev
 Phys. Lett. B **366**, 311 (1996) [arXiv:hep-ph/9506412]
83. **“Production of charmonium - nucleon bound states in the topological soliton model”**
 C. Gobbi, S. Boffi and D. E. Kharzeev
 Mod. Phys. Lett. A **9**, 3035 (1994)
84. **“The Proton spin puzzle and Λ polarization in deep inelastic scattering”**
 J. R. Ellis, D. Kharzeev and A. Kotzinian
 Z. Phys. C **69**, 467 (1996) [arXiv:hep-ph/9506280]
85. **“Charmonium interaction in nuclear matter”**
 D. Kharzeev and H. Satz
 Phys. Lett. B **356**, 365 (1995) [arXiv:hep-ph/9504397]
86. **“Collective effects in the nuclear interactions of charmonium at low-energy”**
 F. Cannata, D. E. Kharzeev and F. Piccinini
 Phys. Rev. C **49**, 2798 (1994)
87. **“Nonperturbative quarkonium dissociation in hadronic matter”**
 D. Kharzeev, L. D. McLerran and H. Satz
 Phys. Lett. B **356**, 349 (1995) [arXiv:hep-ph/9504338]
88. **“The proton spin puzzle and depolarization in $\bar{p}p \rightarrow \bar{\Lambda}\Lambda$ ”**
 M. Alberg, J. R. Ellis and D. Kharzeev
 Phys. Lett. B **356**, 113 (1995) [arXiv:hep-ph/9503333]
89. **“Quarkonium production in hadronic collisions”**
 R. Gavai, D. Kharzeev, H. Satz, G. A. Schuler, K. Sridhar and R. Vogt
 Int. J. Mod. Phys. A **10**, 3043 (1995) [arXiv:hep-ph/9502270]
90. **“Abundant ϕ meson production in $\bar{p}p$ annihilation at rest and strangeness in the nucleon”**
 J. R. Ellis, M. Karliner, D. E. Kharzeev and M. G. Sapozhnikov
 Phys. Lett. B **353**, 319 (1995) [arXiv:hep-ph/9412334]

91. **“Chiral dynamics, deconfinement and thermal dileptons”**
D. Kharzeev and H. Satz
Phys. Lett. B **340**, 167 (1994) [arXiv:hep-ph/9408356]
92. **“ $N\bar{N}$ annihilation at the open charm threshold”**
B. Kerbikov and D. Kharzeev
Phys. Rev. D **51**, 6103 (1995) [arXiv:hep-ph/9408378]
93. **“G parity tests in $\bar{n}p$ annihilation”**
F. Cannata and D. E. Kharzeev
Nuovo Cim. A **106**, 989 (1993)
94. **“Quarkonium interactions in hadronic matter”**
D. Kharzeev and H. Satz
Phys. Lett. B **334**, 155 (1994) [arXiv:hep-ph/9405414]
95. **“Measuring the hadronization length in $e^+e^- \rightarrow K^0\bar{K}^0\gamma$ ”**
D. Kharzeev and A. Leonidov
Phys. Lett. B **329**, 374 (1994) [arXiv:hep-ph/9403321]
96. **“Color transparency in hard nuclear reactions: Quark versus hadronic dynamics”**
A. Bianconi, S. Boffi and D. E. Kharzeev
Phys. Lett. B **305**, 1 (1993)
97. **“Heavy quarks and nuclei”**
D. E. Kharzeev
Nucl. Phys. A **558**, 331C (1993)
98. **“The Quantum mechanical origin of nuclear shadowing”**
D. Kharzeev and H. Satz
Phys. Lett. B **327**, 361 (1994)
99. **“Color confinement in hadron - nucleus collisions”**
D. Kharzeev and H. Satz
Z. Phys. C **60**, 389 (1993)
100. **“Perturbative QCD forbidden charmonium decays and gluonia”**
M. Anselmino, M. Genovese and D. E. Kharzeev
Phys. Rev. D **50**, 595 (1994) [arXiv:hep-ph/9310344]
101. **“Asymmetry of the missing momentum distribution in $(e, e'p)$ reactions and color transparency”**
A. Bianconi, S. Boffi and D. E. Kharzeev
Phys. Lett. B **325**, 294 (1994) [arXiv:hep-ph/9310375]
102. **“Quantum interference effects in N^* electroproduction and propagation in nuclei”**

A. Bianconi, S. Boffi and D. E. Kharzeev
Phys. Rev. C **49**, 1243 (1994) [arXiv:nucl-th/9305016]

103. **“Hadronic dynamics of color transparency”**
A. Bianconi, S. Boffi and D. E. Kharzeev
Nucl. Phys. A **565**, 767 (1993)
104. **“Charm physics with low-energy anti-protons”**
D. Kharzeev
Sov. J. Nucl. Phys. **55**, 746 (1992)
105. **“Pontecorvo reactions as a general class of anti-proton annihilation on nuclei”**
D. E. Kharzeev, F. Nichitiu and M. G. Sapozhnikov
Sov. J. Nucl. Phys. **55**, 748 (1992)
106. **“Charmed-Particle Production In Annihilation Of Antiprotons On Nuclei At Intermediate Energies”**
D. E. Kharzeev
Sov. J. Nucl. Phys. **51**, 184 (1990) [Yad. Fiz. **51**, 293 (1990)]
107. **“Strange particle production in anti-proton annihilation on nuclei at low-energies”**
D. E. Kharzeev and M. G. Sapozhnikov
Nuovo Cim. A **104**, 1509 (1991)
108. **“Threshold Effect In The Spectra Of Mesons During The Hadronization Of Quark-Gluon Plasma”**
V. V. Balashov, I. V. Moskalenko and D. E. Kharzeev
Sov. J. Nucl. Phys. **47**, 1103 (1988) [Yad. Fiz. **47**, 1740 (1988)]
109. **“Equation of state of the quark - gluon plasma in the mean field model”**
I. V. Moskalenko and D. E. Kharzeev
Sov. J. Nucl. Phys. **48**, 713 (1988) [Yad. Fiz. **48**, 1122 (1988)]
110. **“The Coulomb break-up of the anti-deuteron atom”**
D. E. Kharzeev and A. A. Khrapov
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