

SENTA VICTORIA GREENE
NOVEMBER 7, 2008

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EDUCATION

1992 Ph.D. in Physics, Yale University
1987 Master of Science in Physics, M.Phil, Yale University
1984 Bachelor of Physics and Mathematics, University of Tennessee

EMPLOYMENT

8/08-present Executive Dean, Vanderbilt College of Arts & Science
9/06-present Professor of Physics
9/00-8/06 Associate Professor of Physics
Vanderbilt University
9/94-8/00 Assistant Professor of Physics
Vanderbilt University
12/91-8/94 Postdoctoral Fellow
University of Colorado, Boulder

HONORS AND AWARDS

Vanderbilt Affirmative Action Award, 2003
SSC National Fellow, 1993
NATO Travel Fellowship, 1989
Phi Beta Kappa, 1984

PROFESSIONAL ACTIVITIES

Member, Local Organizing Committee, Quark Matter '09 Conference
Convenor, PHENIX Hadron Physics Working Group (2006-present)
Chair, Organizing Committee, American Physical Society DNP Annual Meeting '06
Member, PHENIX Executive Committee (2004-2006)
Chair, Internal Review Committee, PHENIX Physics White paper (2004)
Chair, RHIC/AGS Users Executive Committee (2003-2004)
SESAPS Executive Committee (2004-2007)
American Physical Society DNP Nomination Committee (2002-2004)
RSVP Laboratory Oversight Committee (BNL, 2001-2005)
American Physical Society DNP Program Committee (2000-2002; 2005-2006)
National Science Foundation Committee of Visitors (2000)
PHENIX Detector Council Member (1996-present)

SERVICE AT VANDERBILT

Director of Graduate Studies, Department of Physics and Astronomy, (2006-08)
Secretary, Faculty Council (2007 – 08)
Committee for Graduate Education (2005-08)

Technology Review Committee (2005-08)
Chair, Vanderbilt Undergraduate Physics Research Prize (2004-2005)
Vanderbilt Faculty Senate (2002-2005)
Chair, Nuclear Physics faculty Search Committee (2002)
Graduate Program Committee (2003-present)

INVITED PRESENTATIONS

Highlights from the PHENIX Experiment
Quark Matter '05
Budapest, Hungary, 2005

Pursuing the Quark-Gluon Plasma,
University of Alabama,
Tuscaloosa, Alabama, October 22, 2003

A Panorama of PHENIX Physics,
NATO Advanced Study Institute,
Structure and Dynamics of Elementary Matter,
Kemer, Turkey, September 23, 2003

Results From the PHENIX Experiment at RHIC,
Cracow Epiphany Conference on Quarks and Gluons in Extreme Conditions,
Cracow, Poland, January 4, 2002

Relativistic Heavy Ion Physics,
Lund University
Lund, Sweden, March 4, 1999

Day-1 Physics with PHENIX: The RHIC Era Begins,
Centennial Celebration and Meeting of the American Physical Society
Atlanta, Georgia, March 1999

Search for Strange Quark Matter,
American Chemical Society,
September 11, 1997

A Brief Encounter with Innovations in Physics Education
American Association of Physics Teachers annual meeting
Denver, Colorado, August 11 – 16, 1997

COURSES TAUGHT

Quantum Mechanics

Electricity and Magnetism

Introductory Physics for physics majors

Introductory Physics for engineers and premeds

Papers by Senta Victoria Greene

1. **“Dilepton mass spectra in p+p collisions at $\sqrt{s}=200$ GeV and the contribution from open charm”**
A. Adare *et al.* [PHENIX Collaboration]
arXiv:0802.0050 [hep-ex] (Submitted to Phys.Rev.Lett.)
2. **“Suppression pattern of neutral pions at high transverse momentum in Au+Au collisions at $\sqrt{s}=200$ GeV and constraints on medium transport coefficients”**
A. Adare *et al.* [PHENIX Collaboration]
arXiv:0801.4020 [nucl-ex] (Submitted to Phys.Rev.Lett.)
3. **“Dihadron azimuthal correlations in Au+Au collisions at $\sqrt{s}=200$ GeV”**
A. Adare *et al.* [PHENIX Collaboration]
arXiv:0801.4545 [nucl-ex] (Submitted to Phys.Rev.C)
4. **“Energy dependence of pi-zero production in Cu+Cu collisions at $\sqrt{s}=22.4, 62.4,$ and 200 GeV”**
A. Adare *et al.* [PHENIX Collaboration]
arXiv:0801.4555 [nucl-ex] (Submitted to Phys.Rev.Lett.)
5. **“Cold Nuclear Matter Effects on J/Psi as Constrained by Deuteron-Gold Measurements at $\sqrt{s}=200$ GeV”**
A. Adare *et al.* [PHENIX Collaboration]
Phys. Rev. C **77**, 024912 (2008) [arXiv:0711.3917 [nucl-ex]]
6. **“Centrality dependence of charged hadron production in deuteron+gold and nucleon+gold collisions at $\sqrt{s}=200$ GeV”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **77**, 014905 (2008) [arXiv:0708.2416 [nucl-ex]]
7. **“Enhancement of the dielectron continuum in $\sqrt{s}=200$ GeV Au+Au collisions”**
S. Afanasiev *et al.* [PHENIX Collaboration]
arXiv:0706.3034 [nucl-ex] (Submitted to Phys.Rev.Lett.)
8. **“Transverse momentum and centrality dependence of dihadron correlations in Au+Au collisions at $\sqrt{s}=200$ GeV: Jet-quenching and the response of partonic matter”**
A. Adare *et al.* [PHENIX Collaboration]
Phys. Rev. C **77**, 011901 (2008) [arXiv:0705.3238 [nucl-ex]]
9. **“Measurement of density correlations in pseudorapidity via charged particle multiplicity fluctuations in Au+Au collisions at $\sqrt{s}=200$ GeV”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **76**, 034903 (2007) [arXiv:0704.2894 [nucl-ex]]
10. **“Inclusive cross section and double helicity asymmetry for pi0 production in p+p collisions at $\sqrt{s}=200$ GeV: Implications for the polarized gluon distribution in the proton”**
A. Adare *et al.* [PHENIX Collaboration]
Phys. Rev. D **76**, 051106 (2007) [arXiv:0704.3599 [hep-ex]]
11. **“Elliptic flow for ϕ mesons and (anti)deuterons in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV”**
S. Afanasiev *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **99**, 052301 (2007) [arXiv:nucl-ex/0703024]

12. **“High transverse momentum eta meson production in p + p, d + Au and Au + Au collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **75**, 024909 (2007) [arXiv:nucl-ex/0611006]
13. **“A detailed study of high-p(T) neutral pion suppression and azimuthal anisotropy in Au + Au collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **76**, 034904 (2007) [arXiv:nucl-ex/0611007]
14. **“J/psi production vs transverse momentum and rapidity in p + p collisions at $s^{1/2} = 200\text{-GeV}$ ”**
A. Adare *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **98**, 232002 (2007) [arXiv:hep-ex/0611020]
15. **“Correlated production of p and anti-p in Au + Au collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ ”**
A. Adare *et al.* [PHENIX Collaboration]
Phys. Lett. B **649**, 359 (2007) [arXiv:nucl-ex/0611016]
16. **“Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at $\sqrt{s} = 200\text{ GeV}$ ”**
A. Adare *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **98**, 172301 (2007) [arXiv:nucl-ex/0611018]
17. **“System size and energy dependence of jet-induced hadron pair correlation shapes in Cu + Cu and Au + Au collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ and 62.4-GeV ”**
A. Adare *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **98**, 232302 (2007) [arXiv:nucl-ex/0611019]
18. **“J/psi production vs centrality, transverse momentum, and rapidity in Au + Au collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ ”**
A. Adare *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **98**, 232301 (2007) [arXiv:nucl-ex/0611020]
19. **“Production of omega mesons at large transverse momenta in p + p and d + Au collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **75**, 051902 (2007) [arXiv:nucl-ex/0611031]
20. **“Centrality dependence of pi0 and eta production at large transverse momentum in $s(\text{NN})^{1/2} = 200\text{-GeV}$ d + Au collisions”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **98**, 172302 (2007) [arXiv:nucl-ex/0610036]
21. **“Measurement of high-p(T) single electrons from heavy-flavor decays in p + p collisions at $s^{1/2} = 200\text{-GeV}$ ”**
A. Adare *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **97**, 252002 (2006) [arXiv:hep-ex/0609010]
22. **“Measurement of direct photon production in p + p collisions at $s^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **98**, 012002 (2007) [arXiv:hep-ex/0609031]
23. **“Measurement of single muons at forward rapidity in p + p collisions at $s^{1/2} = 200\text{-GeV}$ and implications for charm production”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. D **76**, 092002 (2007) [arXiv:hep-ex/0609032]
24. **“Scaling properties of azimuthal anisotropy in Au + Au and Cu + Cu collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ ”**
A. Adare *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **98**, 162301 (2007) [arXiv:nucl-ex/0608033]

25. **“Jet properties from dihadron correlations in p + p collisions at $s^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. D **74**, 072002 (2006) [arXiv:hep-ex/0605039]
26. **“Evidence for a long-range component in the pion emission source in Au + Au collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **98**, 132301 (2007) [arXiv:nucl-ex/0605032]
27. **“Nuclear effects on hadron production in d + Au and p + p collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **74**, 024904 (2006) [arXiv:nucl-ex/0603010]
28. **“Azimuthal angle correlations for rapidity separated hadron pairs in d + Au collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **96**, 222301 (2006) [arXiv:nucl-ex/0603017]
29. **“Improved measurement of double helicity asymmetry in inclusive midrapidity π^0 production for polarized p + p collisions at $s^{1/2} = 1200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. D **73**, 091102 (2006) [arXiv:hep-ex/0602004]
30. **“Common suppression pattern of eta and π^0 mesons at high transverse momentum in Au + Au collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **96**, 202301 (2006) [arXiv:nucl-ex/0601037]
31. **“Highlights from the PHENIX experiment. Pt. 1”**
S. V. Greene [PHENIX Collaboration]
Nucl. Phys. A **774**, 93 (2006)
Prepared for 18th International Conference on Ultrarelativistic Nucleus-Nucleus Collisions: Quark Matter 2005 (QM 2005), Budapest, Hungary, 4-9 Aug 2005
32. **“Jet structure from dihadron correlations in d + Au collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **73**, 054903 (2006) [arXiv:nucl-ex/0510021]
33. **“Nuclear modification of electron spectra and implications for heavy quark energy loss in Au + Au collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **96**, 032301 (2006) [arXiv:nucl-ex/0510047]
34. **“Single electrons from heavy flavor decays in p + p collisions at $s^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **96**, 032001 (2006) [arXiv:hep-ex/0508034]
35. **“Measurement of identified π^0 and inclusive photon $v(2)$ and implication to the direct photon production in $s(\text{NN})^{1/2} = 200\text{-GeV}$ Au + Au collisions”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **96**, 032302 (2006) [arXiv:nucl-ex/0508019]
36. **“Modifications to di-jet hadron pair correlations in Au + Au collisions at $s(\text{NN})^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **97**, 052301 (2006) [arXiv:nucl-ex/0507004]
37. **“Measurement of transverse single-spin asymmetries for mid-rapidity production of neutral pions and charged hadrons in polarized p + p collisions at $s^{1/2} = 200\text{-GeV}$ ”**

- S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **95**, 202001 (2005) [arXiv:hep-ex/0507073]
38. **“J/psi production and nuclear effects for d + Au and p + p collisions at $s(NN)^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **96**, 012304 (2006) [arXiv:nucl-ex/0507032]
39. **“Centrality dependence of direct photon production in $s(NN)^{1/2} = 200\text{-GeV}$ Au + Au collisions”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **94**, 232301 (2005) [arXiv:nucl-ex/0503003]
40. **“Mid-rapidity direct-photon production in p + p collisions at $s^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. D **71**, 071102 (2005) [arXiv:hep-ex/0502006]
41. **“Measurement of single electron event anisotropy in Au + Au collisions at $s(NN)^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **72**, 024901 (2005) [arXiv:nucl-ex/0502009]
42. **“Quarkonium Production From D + Au To Au + Au Collisions”**
M. Rosati *et al.* [PHENIX Collaboration]
Eur. Phys. J. C **43**, 173 (2005)
Prepared for International Conference on Hard and Electromagnetic Probes of High Energy Nuclear Collisions (HP 2004), Ericeira, Portugal, 4-10 Nov 2004
43. **“Heavy Flavor Production In Phenix”**
O. Drapier *et al.* [PHENIX Collaboration]
Eur. Phys. J. C **43**, 201 (2005)
Prepared for International Conference on Hard and Electromagnetic Probes of High Energy Nuclear Collisions (HP 2004), Ericeira, Portugal, 4-10 Nov 2004
44. **“Differential Probes Of Medium-Induced Energy Loss”**
B. A. Cole *et al.* [PHENIX Collaboration]
Eur. Phys. J. C **43**, 271 (2005)
Prepared for International Conference on Hard and Electromagnetic Probes of High Energy Nuclear Collisions (HP 2004), Ericeira, Portugal, 4-10 Nov 2004
45. **“Medium Effects On High Particle Production Measured With The Phenix Experiment”**
H. Busching *et al.* [PHENIX Collaboration]
Eur. Phys. J. C **43**, 303 (2005)
Prepared for International Conference on Hard and Electromagnetic Probes of High Energy Nuclear Collisions (HP 2004), Ericeira, Portugal, 4-10 Nov 2004
46. **“Can Phi Mesons Give An Answer To The Baryon Puzzle At Rhic?”**
J. Velkovska *et al.* [PHENIX Collaboration]
Eur. Phys. J. C **43**, 317 (2005)
Prepared for International Conference on Hard and Electromagnetic Probes of High Energy Nuclear Collisions (HP 2004), Ericeira, Portugal, 4-10 Nov 2004
47. **“Low Mass Dilepton Production At Rhic Energies”**
K. Ozawa *et al.* [PHENIX Collaboration]
Eur. Phys. J. C **43**, 421 (2005)
Prepared for International Conference on Hard and Electromagnetic Probes of High Energy Nuclear Collisions (HP 2004), Ericeira, Portugal, 4-10 Nov 2004
48. **“Saturation of azimuthal anisotropy in Au + Au collisions at $s(NN)^{1/2} = 62\text{-GeV} - 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **94**, 232302 (2005) [arXiv:nucl-ex/0411040]

49. **“Nuclear modification factors for hadrons at forward and backward rapidities in deuteron gold collisions at $s(NN)^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **94**, 082302 (2005) [arXiv:nucl-ex/0411054]
50. **“Formation of dense partonic matter in relativistic nucleus nucleus collisions at RHIC: Experimental evaluation by the PHENIX collaboration”**
K. Adcox *et al.* [PHENIX Collaboration]
Nucl. Phys. A **757**, 184 (2005) [arXiv:nucl-ex/0410003]
51. **“Production of Phi mesons at mid-rapidity in $s^{1/2}(NN) = 200\text{-GeV}$ Au + Au collisions at RHIC”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **72**, 014903 (2005) [arXiv:nucl-ex/0410012]
52. **“Systematic studies of the centrality and $s(NN)^{1/2}$ dependence of $dE(T)/d\mu$ and $dN(\text{ch})/d\mu$ in heavy ion collisions at mid-rapidity”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **71**, 034908 (2005) [Erratum-ibid. C **71**, 049901 (2005)] [arXiv:nucl-ex/0409015]
53. **“Centrality dependence of charm production from single electrons measurement in Au + Au collisions at $s(NN)^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **94**, 082301 (2005) [arXiv:nucl-ex/0409028]
54. **“Jet structure of baryon excess in Au + Au collisions at $s(NN)^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **71**, 051902 (2005) [arXiv:nucl-ex/0408007]
55. **“Deuteron and antideuteron production in Au + Au collisions at $s(NN)^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **94**, 122302 (2005) [arXiv:nucl-ex/0406004]
56. **“Double helicity asymmetry in inclusive mid-rapidity π^0 production for polarized p + p collisions at $s^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **93**, 202002 (2004) [arXiv:hep-ex/0404027]
57. **“Bose-Einstein correlations of charged pion pairs in Au + Au collisions at $s(NN)^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **93**, 152302 (2004) [arXiv:nucl-ex/0401003]
58. **“Measurement of non-random event-by-event fluctuations of average transverse momentum in $s^{1/2} = 200\text{-GeV}$ Au + Au and p + p collisions”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **93**, 092301 (2004) [arXiv:nucl-ex/0310005]
59. **“A panorama of PHENIX physics”**
S. V. Greene
Prepared for NATO Advanced Study Institute: Structure and Dynamics of Elementary Matter, Kemer, Turkey, 22 Sep - 2 Oct 2003
60. **“High- $p(T)$ charged hadron suppression in Au + Au collisions at $s(NN)^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **69**, 034910 (2004) [arXiv:nucl-ex/0308006]
61. **“J/psi production from proton proton collisions at $s^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **92**, 051802 (2004) [arXiv:hep-ex/0307019]

62. **“Single identified hadron spectra from $s(NN)^{1/2} = 130\text{-GeV Au} + \text{Au}$ collisions”**
K. Adcox *et al.* [PHENIX Collaboration]
Phys. Rev. C **69**, 024904 (2004) [arXiv:nucl-ex/0307010]
63. **“Identified charged particle spectra and yields in $\text{Au} + \text{Au}$ collisions at $s(NN)^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **69**, 034909 (2004) [arXiv:nucl-ex/0307022]
64. **“Absence of suppression in particle production at large transverse momentum in $s(NN)^{1/2} = 200\text{-GeV d} + \text{Au}$ collisions”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **91**, 072303 (2003) [arXiv:nucl-ex/0306021]
65. **“Elliptic flow of identified hadrons in $\text{Au} + \text{Au}$ collisions at $s(NN)^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **91**, 182301 (2003) [arXiv:nucl-ex/0305013]
66. **“ J/ψ production in Au Au collisions at $s(NN)^{1/2} = 200\text{-GeV}$ at the Relativistic Heavy Ion Collider”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. C **69**, 014901 (2004) [arXiv:nucl-ex/0305030]
67. **“Scaling properties of proton and anti-proton production in $s(NN)^{1/2} = 200\text{-GeV Au} + \text{Au}$ collisions”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **91**, 172301 (2003) [arXiv:nucl-ex/0305036]
68. **“Mid-rapidity neutral pion production in proton proton collisions at $s^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **91**, 241803 (2003) [arXiv:hep-ex/0304038]
69. **“Suppressed π^0 production at large transverse momentum in central $\text{Au} + \text{Au}$ collisions at $s(NN)^{1/2} = 200\text{-GeV}$ ”**
S. S. Adler *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **91**, 072301 (2003) [arXiv:nucl-ex/0304022]
70. **“Measurement of leading Λ ’s and Δ^{++} ’s in $p+\text{Pb}$ Collisions at $19\text{ GeV}/c$ ”**
K. N. Barish *et al.*
Phys. Rev. C **67**, 014902 (2003)
71. **“Construction and performance of the PHENIX pad chambers”**
K. Adcox *et al.*
Nucl. Instrum. Meth. A **497**, 263 (2003)
72. **“Heavy ion collisions at collider energies: Insights from PHENIX”**
A. Drees *et al.* [PHENIX Collaboration]
Pramana **60**, 639 (2003)
Prepared for International Conference on Physics and Astrophysics of Quark - Gluon Plasma (IC-PAQGP 2001), Jaipur, India, 26-30 Nov 2001
73. **“PHENIX detector overview”**
K. Adcox *et al.* [PHENIX Collaboration]
Nucl. Instrum. Meth. A **499**, 469 (2003)
74. **“PHENIX central arm tracking detectors”**
K. Adcox *et al.* [PHENIX Collaboration]
Nucl. Instrum. Meth. A **499**, 489 (2003)

75. **“Production of (Λ)H-3 and (Λ)H-4 in central 11.5-GeV/c Au + Pt heavy ion collisions”**
T. A. Armstrong *et al.* [E864 Collaboration]
Phys. Rev. C **70**, 024902 (2004) [arXiv:nucl-ex/0211010]
76. **“Centrality dependence of the high p(T) charged hadron suppression in Au + Au collisions at $s(\text{NN})^{1/2} = 130\text{-GeV}$ ”**
K. Adcox *et al.* [PHENIX Collaboration]
Phys. Lett. B **561**, 82 (2003) [arXiv:nucl-ex/0207009]
77. **“Flow measurements via two-particle azimuthal correlations in Au + Au collisions at $s(\text{NN})^{1/2} = 130\text{-GeV}$ ”**
K. Adcox *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **89**, 212301 (2002) [arXiv:nucl-ex/0204005]
78. **“Measurement of the Lambda and Antilambda particles in Au + Au collisions at $s(\text{NN})^{1/2} = 130\text{-GeV}$ ”**
K. Adcox *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **89**, 092302 (2002) [arXiv:nucl-ex/0204007]
79. **“Net charge fluctuations in Au + Au interactions at $s(\text{NN})^{1/2} = 130\text{-GeV}$ ”**
K. Adcox *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **89**, 082301 (2002) [arXiv:nucl-ex/0203014]
80. **“Event-by-event fluctuations in mean p(T) and mean e(T) in $s(\text{NN})^{1/2} = 130\text{-GeV}$ Au + Au collisions”**
K. Adcox *et al.* [PHENIX Collaboration]
Phys. Rev. C **66**, 024901 (2002) [arXiv:nucl-ex/0203015]
81. **“Measurement of single electrons and implications for charm production in Au + Au collisions at $s(\text{NN})^{1/2} = 130\text{-GeV}$ ”**
K. Adcox *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **88**, 192303 (2002) [arXiv:nucl-ex/0202002]
82. **“Transverse mass dependence of two-pion correlations in Au + Au collisions at $s(\text{NN})^{1/2} = 130\text{-GeV}$ ”**
K. Adcox *et al.* [PHENIX Collaboration]
Phys. Rev. Lett. **88**, 192302 (2002) [arXiv:nucl-ex/0201008]
83. **“Leading baryon and anti-proton measurements in p + A collisions at AGS energies”**
K. N. Barish *et al.* [E941 Collaboration]
Nucl. Phys. A **698**, 599 (2002)
Prepared for 15th International Conference on Ultrarelativistic Nucleus-Nucleus Collisions (QM2001), Stony Brook, New York, 15-20 Jan 2001
84. **“Recent results from the PHENIX experiment at RHIC”**
S. V. Greene [PHENIX Collaboration]
Acta Phys. Polon. B **33**, 1407 (2002)
Prepared for Cracow Epiphany Conference on Quarks and Gluons in Extreme Conditions, Cracow, Poland, 3-6 Jan 2002
85. **“Leading baryon production in p+A collisions at relativistic energies”**
K. N. Barish *et al.*
Phys. Rev. C **65**, 014904 (2002)
86. **“Production of particle unstable light nuclei in 11.5A GeV/c Au+Pt heavy-ion collisions”**
T. A. Armstrong *et al.*
Phys. Rev. C **65**, 014906 (2002)
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