

Curriculum Vitae

Name : **Sudhir Raniwala**

Date of Birth : October 15, 1960.

Address : Physics Department
University of Rajasthan
Jaipur 302 055
India

Tel : + 91 141 2225159 (Home)
+ 91 141 2702645 (Office)

Fax : + 91 141 2702645

e-mail : sudhir.raniwala@cern.ch

Academic Qualifications and Professional Career

- **B.Sc.** Physics Hons. (1980)
University of Rajasthan, Jaipur India
- **M.Sc.** in Physics (1983)
University of Rajasthan, Jaipur, India
- **Ph.D.** in Physics (1991)
University of Rajasthan, Jaipur, India
- **Assistant Professor** in Physics (1986 - 2001)
University of Rajasthan, Jaipur, India
- **Associate Professor** in Physics (2001 -)
University of Rajasthan, Jaipur, India

Awards/Certificates/Academic-Responsibilities

- Certificate for securing **2nd position** in merit in B.Sc.Hons.Examination
- Certificate and **Gold Medal** for securing the **1st position** in merit in M.Sc.Examination
- Joined IIT-Kanpur in December 1983 for the Ph.D programme. The SPI for one semester in the pre-PhD course was 10. Had to leave IIT due to family reasons in September 1984.
- Research Fellowship from CSIR (Council of Scientific and Industrial Research, Govt. of India) after qualifying a national level test in 1983.
- **Best Thesis Presentation Award** at the Annual Symposium on Nuclear Physics (organised under the auspices of Department of Atomic Energy, Govt. of India) 1991.
- **Visiting Scientist Fellowship of INSA** (Indian National Science Academy) in 1995 (December 1995 to February 1996)
- **Associate at Centre for European Nuclear Research** (CERN), Geneva, from July 2000 to June 2001
- **Associate (Senior) at International Centre for Theoretical Physics**(ICTP, Trieste) (award for the period 2006 to 2011)
- The Physics of STAR Experiment at Brookhaven National Laboratory, New York, is classified into 6 groups. **Convenor of the Bulk-Correlations Physics Working Group** since March 2009.
- Member of a few Scientific Committees appointed by the DST for the mega projects in Science, the GRID Computing Task force Committee and the Task force Committee for India-CMS-ALICE Collaboration

Publications as Internal Notes and Reports

1. GRANULARITY REQUIREMENTS FOR THE FORWARD MULTIPLICITY DETECTOR FOR DETERMINATION OF AZIMUTHAL ANISOTROPY
Rashmi Raniwala, **Sudhir Raniwala**, Yogendra.P. Viyogi
ALICE Internal Note **2001-49**
2. POSSIBILITY OF MEASURING AZIMUTHAL ANISOTROPY IN J/ψ ABSORPTION IN THE ALICE EXPERIMENT
Andreas Morsch, Rashmi Raniwala, **Sudhir Raniwala**, Yogendra.P. Viyogi
ALICE Internal Note **2001-22**
3. OBSERVING ANISOTROPIC EVENT SHAPES USING THE PHOTON MULTIPLICITY DETECTOR IN ALICE
Rashmi Raniwala, **Sudhir Raniwala**, Yogendra.P. Viyogi
ALICE Internal Note **1999-32**

Invited Talks in Conferences/Symposia (including publications in proceedings)

1. WORKING GROUP REPORT: HEAVY-ION PHYSICS AND QUARK-GLUON PLASMA
Proceedings of IX Workshop on High Energy Physics Phenomenology, Jan.2006, Bhubaneswar, India
Coordinators: Munshi G Mustafa, **Sudhir Raniwala**, Pramana **67** (2006) 961
2. FLOW WITH PMD: PAST AND FUTURE
Invited Talk at the 4th International Conference on the Physics and Astrophysics of Quark Gluon Plasma, Nov.26-30, 2001 Jaipur, India
Pramana **60** (2003) 739
3. FLOW IN HEAVY ION COLLISIONS : FEW 100 MeV/n to FEW 100 GeV/n
Invited Talk at the Symposium on Nuclear Physics, Dec.26-30, 1999, Chandigarh, India
4. RECENT RESULTS FROM ULTRA RELATIVISTIC HEAVY ION COLLISIONS
Invited Talk at the High Energy Physics Symposium, 1994, Santiniketan, India

Seminars and Lectures

1. ELLIPTIC FLOW IN RELATIVISTIC HEAVY ION COLLISIONS:
FROM SPS TO RHIC
Talk at the Physics Department, Trieste University, Trieste, Italy, May, 2007
2. RELATIVISTIC KINEMATICS
Invited Lectures at the VI SERC School on Experimental High Energy Physics,
Feb., 2007, Jammu University, Jammu Tawi, India
3. QUARKONIA VERSUS THE REACTION PLANE IN THE ALICE
MUON SPECTROMETER
Invited Talk at the International Workshop on Heavy Flavours in Heavy Ion
Collisions at the LHC, December 2004, Clermont-Ferrand, France
4. AZIMUTHAL ANISOTROPY IN PARTICLE EMISSION IN URHIC
Talk at the INFN Centre at University of Torino, Italy, March, 2004
5. RAPIDITY AND CENTRALITY DEPENDENCE OF AZIMUTHAL
ANISOTROPY OBSERVED IN Pb+Pb COLLISIONS USING THE SILI-
CON MULTIPLICITY DETECTOR IN THE NA50 EXPERIMENT
Talk at the INFN Centre at University of Torino, Italy, July, 2002
6. RELATIVISTIC KINEMATICS
Invited Lectures at the IV SERC School on Experimental High Energy Physics,
Feb.14-28, 2003, VECC, Kolkata, India
7. GRANULARITY REQUIREMENTS FOR THE FORWARD MUL-
TIPLICITY DETECTOR FOR DETERMINATION OF AZIMUTHAL
ANISOTROPY
Talk at the FMD Workshop at CERN, Geneva, May 2001
8. POSSIBILITY OF MEASURING AZIMUTHAL ANISOTROPY IN J/ψ
ABSORPTION IN THE ALICE EXPERIMENT
Talk at the ALICE PPR (Physics Performance Report) Meeting at CERN,
Geneva, April 2001
9. RELATIVISTIC KINEMATICS
Invited Lectures at the III SERC School on Experimental High Energy Physics,
Feb.1-15, 2000, BARC, Mumbai, India
10. DETERMINATION OF REACTION PLANE AND FLOW USING THE
PMD IN THE ALICE EXPERIMENT
Talk at the ALICE Physics Board Meeting at CERN, Geneva, Sept.1999.

11. FEASIBILITY OF FLOW MEASUREMENT USING PMD IN ALICE
Talk at the ALICE-INDIA Workshop at Institute of Physics, Bhubaneswar, India, Feb.1999.
12. THE PHOTON MULTIPLICITY DETECTOR AND THE WA98 EXPERIMENT AT CERN
Invited Lecture at the Refresher Course on Experimental Physics for College Teachers, Jaipur, India, Nov.1998
13. DETECTORS: IONISATION BY CHARGED PARTICLE AND RADIATION
Invited Lectures at the II SERC School on Experimental High Energy Physics, TIFR, Mumbai, India, Jan.1997
14. GLOBAL VARIABLES IN ULTRARELATIVISTIC HEAVY ION COLLISIONS
Seminar at Institute of Physics, Bhubaneswar, India, March 1994
15. INTRODUCTION TO HEAVY ION COLLISIONS AND PARTICLE PRODUCTION
Invited Lectures at the SERC School on Nuclear Physics, Mysore, India, Feb.1994
16. GLOBAL VARIABLES IN ULTRARELATIVISTIC HEAVY ION COLLISIONS
Seminar at TIFR, Mumbai, India, Sept.1993
17. CLASSICAL CHROMODYNAMICS AND CHROMOPLASMA
Invited Lecture in Refresher Course on Electrodynamics for College Teachers, Jaipur, India, June 1989.

Publications in Refereed Journals
Titles of Preferred Publications are in boldface

1. MEASUREMENT OF D* MESONS IN JETS FROM p+p COLLISIONS AT $\sqrt{s} = 200$ -GeV
STAR Collaboration, Phys.Rev.**C79** (2009) 112006
2. OBSERVATION OF TWO-SOURCE INTERFERENCE IN THE PHOTO-PRODUCTION REACTION $AuAu \rightarrow AuAu\rho^0$
STAR Collaboration, Phys.Rev.Lett.**102** (2009) 112301
3. ENERGY AND SYSTEM SIZE DEPENDENCE OF ϕ MESON PRODUCTION IN Cu+Cu AND Au+Au COLLISIONS
STAR Collaboration, Phys.Lett.**B 673** (2009) 183
4. MEASUREMENTS OF ϕ MESON PRODUCTION IN RELATIVISTIC HEAVY-ION COLLISIONS AT RHIC
STAR Collaboration, Phys.Rev. **C 79** (2009) 64903
5. SYSTEMATIC MEASUREMENTS OF IDENTIFIED PARTICLE SPECTRA IN pp , d+Au AND Au+Au COLLISIONS FROM STAR
STAR Collaboration, Phys.Rev. **C79** (2009) 34909
6. SYSTEM-SIZE INDEPENDENCE OF DIRECTED FLOW AT THE RELATIVISTIC HEAVY-ION COLLIDER
STAR Collaboration, Phys.Rev.Lett. **101** (2008) 252301
7. BEAM-ENERGY AND SYSTEM-SIZE DEPENDENCE OF DYNAMICAL NET CHARGE FLUCTUATIONS
STAR Collaboration, Phys.Rev.**C 79** (2009) 24906
8. INDICATIONS OF CONICAL EMISSION OF CHARGED HADRONS AT RHIC
STAR Collaboration, Phys.Rev.Lett.**102** (2009) 52302
9. HADRONIC RESONANCE PRODUCTION IN d + Au COLLISIONS AT $\sqrt{s} = 200$ -GeV AT RHIC
STAR Collaboration, Phys.Rev.**C78** (2008) 044906
10. FORWARD NEUTRAL PION TRANSVERSE SINGLE SPIN ASYMMETRIES IN p + p COLLISIONS AT $\sqrt{s} = 200$ -GeV
STAR Collaboration, Phys.Rev.Lett.**101** (2008) 222001
11. SUPPRESSION OF HIGH- p_T NEUTRAL PIONS IN CENTRAL Pb + Pb COLLISIONS AT $\sqrt{s_{NN}} = 17.3$ -GeV
WA98 Collaboration, Phys.Rev.Lett.**100** (2008) 242301

12. LONGITUDINAL DOUBLE-SPIN ASYMMETRY FOR INCLUSIVE JET PRODUCTION IN p + p COLLISIONS AT $\sqrt{s} = 200$ -GeV
STAR Collaboration, Phys.Rev.Lett.**100** (2008) 232003
13. SPIN ALIGNMENT MEASUREMENTS OF THE $K^*(892)$ AND $\phi(1020)$ VECTOR MESONS IN HEAVY ION COLLISIONS AT $\sqrt{s_{NN}} = 200$ -GeV
Star Collaboration, Phys.Rev.**C77** (2008) 061902
14. **CENTRALITY DEPENDENCE OF CHARGED HADRONS AND STRANGE HADRON ELLIPTIC FLOW FROM $\sqrt{s_{NN}} = 200$ -GeV Au + Au COLLISIONS**
Star Collaboration, Phys.Rev.**C77** (2008) 054901
15. RHO0 PHOTOPRODUCTION IN ULTRA-PERIPHERAL RELATIVISTIC HEAVY ION COLLISIONS WITH STAR
STAR Collaboration, Phys.Rev.**C77** (2008) 034910
16. FORWARD LAMBDA PRODUCTION AND NUCLEAR STOPPING POWER IN d + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ -GeV
Star Collaboration, Phys.Rev.**C76** (2007) 064904
17. MEASUREMENT OF TRANSVERSE SINGLE SPIN ASYMMETRIES FOR DI-JET PRODUCTION IN PROTON-PROTON COLLISIONS AT $\sqrt{s_{NN}} = 200$ -GeV
Star Collaboration, Phys.Rev.Lett. **99** (2007) 142003
18. ENHANCED STRANGE BARYON PRODUCTION IN Au + Au COLLISIONS COMPARED TO p + p AT $\sqrt{s_{NN}} = 200$ -GeV
Star Collaboration, Phys.Rev. **C77** (2008) 044908
19. MASS, QUARK-NUMBER, AND $\sqrt{s_{NN}}$ DEPENDENCE OF THE SECOND AND FOURTH FLOW HARMONICS IN ULTRA-RELATIVISTIC NUCLEUS NUCLEUS COLLISIONS
Star Collaboration, Phys.Rev. **C75** (2007) 054906
20. TRANSVERSE MOMENTUM AND CENTRALITY DEPENDENCE OF HIGH P(T) NON-PHOTONIC ELECTRON SUPPRESSION IN Au-Au COLLISIONS AT $\sqrt{s_{NN}}=200$ GeV
Star Collaboration, Phys.Rev.Lett. **98** (2007) 192301
21. $\Delta\phi\Delta\eta$ CORRELATIONS IN CENTRAL Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev. **C75** (2007) 034901

22. SCALING PROPERTIES OF HYPERON PRODUCTION IN Au+Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev.Lett. **98** (2007) 062301
23. TWO-PARTICLE CORRELATIONS ON TRANSVERSE MOMENTUM AND MOMENTUM DISSIPATION IN Au-Au COLLISIONS AT $\sqrt{s_{NN}} = 130$ GeV
Star Collaboration, J.Phys. **G34** (2007) 799
24. THE ENERGY DEPENDENCE OF p_T ANGULAR CORRELATIONS INFERRED FROM MEAN- p_T FLUCTUATION SCALE DEPENDENCE IN HEAVY ION COLLISIONS AT THE SPS AND RHIC
Star Collaboration, J.Phys. **G34** (2007) 451
25. LONGITUDINAL DOUBLE-SPIN ASYMMETRY AND CROSS SECTION FOR INCLUSIVE JET PRODUCTION IN POLARIZED PROTON COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev.Lett. **97** (2006) 252001
26. NEUTRAL KAON INTERFEROMETRY IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev. **C74** (2006) 054902
27. THE MULTIPLICITY DEPENDENCE OF INCLUSIVE p_T SPECTRA FROM p-p COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev. **D74** (2006) 032006
28. DIRECT OBSERVATION OF DIJETS IN CENTRAL Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
STAR Collaboration, Phys.Rev.Lett. **97** (2006) 162301
29. IDENTIFIED BARYON AND MESON DISTRIBUTIONS AT LARGE TRANSVERSE MOMENTA FROM Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev.Lett. **97** (2006) 152301
30. EFFECT OF FINITE GRANULARITY OF DETECTOR ON ANISOTROPY COEFFICIENTS
S.Raniwala, M.Idzik, R.Raniwala and Y.P.Viyogi, Eur.Phys.J **C48** (2006) 677
31. STRANGE BARYON RESONANCE PRODUCTION IN $\sqrt{s_{NN}} = 200$ GeV P + P AND Au + Au COLLISIONS
Star Collaboration, Phys.Rev.Lett. **97** (2006) 132301

32. FORWARD NEUTRAL PION PRODUCTION IN p + p AND d + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev.Lett. **97** (2006) 152302
33. IDENTIFIED HADRON SPECTRA AT LARGE TRANSVERSE MOMENTUM IN p + p AND d + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Lett. **B637** (2006) 161
34. PROTON LAMBDA CORRELATIONS IN CENTRAL Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev. **C74** (2006) 064906
35. MULTIPLICITY AND PSEUDORAPIDITY DISTRIBUTIONS OF CHARGED PARTICLES AND PHOTONS AT FORWARD PSEUDORAPIDITY IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 62.4$ GeV
Star Collaboration, Phys.Rev. **C73** (2006) 034906
36. TRANSVERSE-MOMENTUM p_T CORRELATIONS ON (η, ϕ) FROM MEAN- p_T FLUCTUATIONS IN Au - Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, J.Phys. **G32** (2006) L37
37. MINIJET DEFORMATION AND CHARGE-INDEPENDENT ANGULAR CORRELATIONS ON MOMENTUM SUBSPACE (η, ϕ) IN Au-Au COLLISIONS AT $\sqrt{s_{NN}} = 130$ GeV
Star Collaboration, Phys. Rev. **C73** (2006) 064907
38. HADRONIZATION GEOMETRY AND CHARGE-DEPENDENT NUMBER AUTOCORRELATIONS ON AXIAL MOMENTUM SPACE IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 130$ GeV
Star Collaboration, Phys.Lett. **B634** (2006) 347
39. DIRECTED FLOW IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 62.4$ GeV
Star Collaboration, Phys.Rev.**C73** (2006) 034903
40. INCIDENT ENERGY DEPENDENCE OF p_T CORRELATIONS AT RHIC
Star Collaboration, Phys.Rev. **C72** (2005) 044902
41. MULTISTRANGE BARYON ELLIPTIC FLOW IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev.Lett. **95** (2005) 122301

42. MULTIPLICITY AND PSEUDORAPIDITY DISTRIBUTIONS OF PHOTONS IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 62.4$ GeV
Star Collaboration, Phys.Rev.Lett. **95** (2005) 062301
43. DISTRIBUTIONS OF CHARGED HADRONS ASSOCIATED WITH HIGH TRANSVERSE MOMENTUM PARTICLES IN p + p AND Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev.Lett. **95** (2005) 152301
44. EXPERIMENTAL AND THEORETICAL CHALLENGES IN THE SEARCH FOR THE QUARK GLUON PLASMA: THE STAR COLLABORATION'S CRITICAL ASSESSMENT OF THE EVIDENCE FROM RHIC COLLISIONS
Star Collaboration, Nucl.Phys. **A757** (2005) 102
45. EVENT-WISE $\langle p_T \rangle$ FLUCTUATIONS IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys. Rev. **C71** (2005) 064906
46. K*(892) RESONANCE PRODUCTION IN Au + Au AND p + p COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV AT STAR
Star Collaboration, Phys. Rev. **C71** (2005) 064902
47. PION INTERFEROMETRY IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys. Rev.**C71** (2005) 044906
48. CENTRALITY AND TRANSVERSE MOMENTUM DEPENDENCE OF COLLECTIVE FLOW IN 158-A GeV Pb + Pb COLLISIONS MEASURED VIA INCLUSIVE PHOTONS
WA98 Collaboration, Nucl.Phys. **A762** (2005) 129
49. AZIMUTHAL ANISOTROPY IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev. **C72** (2005) 014904
50. OPEN CHARM YIELDS IN d + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev.Lett. **94** (2005) 062301
51. TRANSVERSE-MOMENTUM DEPENDENT MODIFICATION OF DYNAMIC TEXTURE IN CENTRAL Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev. **C71** (2005) 031901
52. PHI MESON PRODUCTION IN Au + Au AND p + p COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Lett. **B612** (2005) 181

53. PION, KAON, PROTON AND ANTI-PROTON TRANSVERSE MOMENTUM DISTRIBUTIONS FROM p + p AND d + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Lett. **616** (2005) 8
54. **AZIMUTHAL ANISOTROPY OF PHOTON AND CHARGED PARTICLE EMISSION IN $^{208}\text{Pb} + ^{208}\text{Pb}$ COLLISIONS AT $158 \cdot A$ GeV/c**
WA98 Collaboration, Eur.Phys.J. **C41** (2005) 287
55. AZIMUTHAL ANISOTROPY AND CORRELATIONS AT LARGE TRANSVERSE MOMENTUM IN p + p AND Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev.Lett. **93** (2004) 252301
56. PSEUDORAPIDITY ASYMMETRY AND CENTRALITY DEPENDENCE OF CHARGED HADRON SPECTRA IN d + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev. **C70** (2004) 064907
57. CENTRALITY AND PSEUDORAPIDITY DEPENDENCE OF CHARGED HADRON PRODUCTION AT INTERMEDIATE p_T IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 130$ GeV
Star Collaboration, Phys.Rev. **C70** (2004) 044901
58. PRODUCTION OF e^+e^- PAIRS ACCOMPANIED BY NUCLEAR DISSOCIATION IN ULTRA-PERIPHERAL HEAVY ION COLLISION
Star Collaboration, Phys.Rev. **C70** (2004) 031902
59. PHOTON AND NEUTRAL PION PRODUCTION IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 130$ GeV
Star Collaboration, Phys.Rev. **C70** (2004) 044902
60. AZIMUTHALLY SENSITIVE HBT IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev.Lett. **93** (2004) 012301
61. CROSS SECTIONS AND TRANSVERSE SINGLE-SPIN ASYMMETRIES IN FORWARD NEUTRAL PION PRODUCTION FROM PROTON COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev.Lett. **92** (2004) 171801
62. **AZIMUTHAL ANISOTROPY AT THE RELATIVISTIC HEAVY ION COLLIDER: THE FIRST AND FOURTH HARMONICS**
Star Collaboration, Phys.Rev.Lett. **92** (2004) 062301

63. INTERFEROMETRY OF DIRECT PHOTONS IN CENTRAL Pb²⁰⁸ + Pb²⁰⁸ COLLISIONS AT 158-A GeV
WA98 Collaboration Phys.Rev.Lett. **93** (2004) 022301
64. IDENTIFIED PARTICLE DISTRIBUTIONS IN p + p AND Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV Star Collaboration, Phys.Rev.Lett. **92** (2004) 112301
65. MULTI-STRANGE BARYON PRODUCTION IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 130$ GeV
Star Collaboration, Phys.Rev.Lett. **92** (2004) 182301
66. ρ^o PRODUCTION AND POSSIBLE MODIFICATION IN Au + Au AND p + p COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev.Lett. **92** (2004) 092301
67. MEASUREMENTS OF TRANSVERSE ENERGY DISTRIBUTIONS IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV
Star Collaboration, Phys.Rev. **C70** (2004) 054907
68. RAPIDITY AND CENTRALITY DEPENDENCE OF PROTON AND ANTI-PROTON PRODUCTION FROM Au¹⁹⁷ + Au¹⁹⁷ COLLISIONS AT $\sqrt{s_{NN}} = 130$ GeV
Star Collaboration, Phys.Rev. **C70** (2004) 041901
69. **PARTICLE TYPE DEPENDENCE OF AZIMUTHAL ANISOTROPY AND NUCLEAR MODIFICATION OF PARTICLE PRODUCTION IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 200$ GeV**
Star Collaboration, Phys.Rev.Lett. **92** (2004) 052302
70. INTERFEROMETRY OF DIRECT PHOTONS IN CENTRAL Pb²⁰⁸ + Pb²⁰⁸ COLLISIONS AT 158-A GeV
WA98 Collaboration Phys.Rev.Lett. **93** (2004) 022301
71. PION KAON CORRELATIONS IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 130$ GeV
Star Collaboration, Phys.Rev.Lett. **91** (2003) 262302
72. NET CHARGE FLUCTUATIONS IN Au + Au COLLISIONS AT $\sqrt{s_{NN}} = 130$ GeV
Star Collaboration, Phys.Rev. **C68** (2003) 044905
73. **THE STAR PHOTON MULTIPLICITY DETECTOR**
Nucl.Instrum.Meth. **A499** (2003) 751

74. ONE-, TWO-, AND THREE-PARTICLE DISTRIBUTIONS FROM 158 A GeV/C CENTRAL Pb + Pb COLLISIONS
WA98 Collaboration, Phys.Rev. **C67** (2003) 014906
75. CENTRALITY DEPENDENCE OF CHARGED-NEUTRAL PARTICLE FLUCTUATIONS IN 158A GeV $^{208}\text{Pb} + ^{208}\text{Pb}$ COLLISIONS
WA98 Collaboration, Phys.Rev. **C67** (2003) 044901
76. EVENT-BY-EVENT FLUCTUATIONS IN PARTICLE MULTIPLICITIES AND TRANSVERSE ENERGY PRODUCED IN 158A GeV Pb + Pb COLLISIONS
WA98 Collaboration, Phys.Rev. **C65** (2002) 054912
77. A HONEYCOMB PROPORTIONAL COUNTER FOR PHOTON MULTIPLICITY MEASUREMENT IN THE ALICE EXPERIMENT
Nucl.Instrum.Meth. **A488** (2002) 131
78. TRANSVERSE MASS DISTRIBUTIONS OF NEUTRAL PIONS FROM Pb^{208} INDUCED REACTIONS AT 158-A GeV
WA98 Collaboration, Eur.Phys.J. **C23** (2002) 225
79. LOCALIZED CHARGED-NEUTRAL FLUCTUATIONS IN 158A GeV Pb + Pb COLLISIONS
WA98 Collaboration, Phys.Rev. **C64** (2001) 011901
80. SCALING OF PARTICLE AND TRANSVERSE ENERGY PRODUCTION IN $^{208}\text{Pb} + ^{208}\text{Pb}$ COLLISIONS AT 158 · A GeV
WA98 Collaboration, Eur.Phys.J. **C18** (2001) 651
81. THREE PION INTERFEROMETRY RESULTS FROM CENTRAL Pb + Pb COLLISIONS AT 158-A GeV/C
WA98 Collaboration, Phys.Rev.Lett. **85** (2000) 2895
82. DETERMINATION OF AZIMUTHAL ANISOTROPY OF NEUTRAL PIONS FROM THE MEASURED ANISOTROPY OF PHOTONS IN ULTRA-RELATIVISTIC NUCLEAR COLLISIONS
R.Raniwala, S.Raniwala, Y.P.Viyogi, Phys.Lett. **B489** (2000) 9
83. OBSERVATION OF DIRECT PHOTONS IN CENTRAL 158-A GeV $\text{Pb}^{208} + \text{Pb}^{208}$ COLLISIONS
WA98 Collaboration, Phys.Rev.Lett. **85** (2000) 3595
84. Δ^{++} PRODUCTION IN 158-A GeV $\text{Pb}^{208} + \text{Pb}^{208}$ INTERACTIONS AT THE CERN SPS
WA98 Collaboration, Phys.Lett.**B477** (2000) 37

85. **CENTRAL Pb + Pb COLLISIONS AT 158-A GeV/C STUDIED BY $\pi^-\pi^-$ INTERFEROMETRY**
 WA98 Collaboration, Eur.Phys.J. **C16** (2000) 445
86. **ELLIPTIC EMISSION OF K^+ AND π^+ IN 158 · A GeV Pb + Pb COLLISIONS**
 WA98 Collaboration Phys.Lett. **B469** (1999) 30
87. **SYSTEMATICS OF INCLUSIVE PHOTON PRODUCTION IN 158 · A GeV Pb INDUCED REACTIONS ON Ni, Nb, AND Pb TARGETS**
 WA98 Collaboration, Phys.Lett. **B458** (1999) 422
88. **FREEZE-OUT PARAMETERS IN CENTRAL 158-A GeV Pb²⁰⁸ + Pb²⁰⁸ COLLISIONS**
 WA98 COLLABORATION, Phys.Rev.Lett. **83** (1999) 926
89. **A PRESHOWER PHOTON MULTIPLICITY DETECTOR FOR THE WA98 EXPERIMENT**
 Nucl.Instrum.Meth. **A424** (1999) 395
90. **MULTIPLICITY AND PSEUDORAPIDITY DISTRIBUTION OF PHOTONS IN S + Au REACTION AT 200A GeV**
 WA93 Collaboration, Phys.Rev. **C58** (1998) 1146
91. **CENTRALITY DEPENDENCE OF NEUTRAL PION PRODUCTION IN 158-A GeV Pb²⁰⁸ + Pb²⁰⁸ COLLISIONS**
 WA98 Collaboration, Phys.Rev.Lett. **81** (1998) 4087
 Erratum-ibid. **84** (2000) 578
92. **SEARCH FOR DISORIENTED CHIRAL CONDENSATES IN 158 A GeV Pb + Pb COLLISIONS**
 WA98 Collaboration, Phys.Lett. **B420** (1998) 169
93. **SOFT-PHOTON PRODUCTION IN CENTRAL 200 GeV/NUCLEON S³² + Au COLLISIONS**
 WA93 Collaboration, Phys.Rev.**C56** (1997) 1160
94. **EVENT BY EVENT MEASUREMENT OF $\langle p_T \rangle$ OF PHOTONS IN S + Au COLLISIONS AT 200-A GeV**
 WA93 Collaboration, Phys.Lett. **B404** (1997) 207
95. **AZIMUTHAL ANISOTROPY IN S+Au REACTIONS AT 200 A GeV**
 WA93 Collaboration, Phys.Lett.**B403** (1997) 390-396

96. COMPLEX ANALYSIS OF GOLD INTERACTIONS WITH PHOTOEMULSION NUCLEI AT 10.7 GeV/NUCLEON WITHIN THE FRAMEWORK OF CASCADE AND FRITIOF MODELS
EMU01 Collaboration, Z.Phys. **A358** (1997) 337
97. **A PRESHOWER PHOTON MULTIPLICITY DETECTOR FOR THE WA93 EXPERIMENT**
Nucl.Instrum.Meth. **A372** (1996) 143
98. Si^{28} (S^{32}) FRAGMENTATION AT 3.7-A/GeV, 14.6-A/GeV AND 200-A/GeV
EMU01 Collaboration, Z. Phys. **A351** (1995) 311
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