

Bibliography

- [1] The PHENIX Collaboration, “Phenix Conceptual Design Report,” January, 1993.
- [2] The PHENIX Collaboration, “Phenix CDR Update, An Experiment to be Performed at the Brookhaven National Laboratory Relativistic Heavy Ion Collider,” November, 1993.
- [3] J. Ashman et al., Phys. Lett. **B206**, 364 (1988); Nucl. Phys. **B328**, 1 (1989).
- [4] M.J. Alguard et al., Phys. Rev. Lett. **37**, 1261 (1978), **41**, 70 (1978); G. Baum et al., Phys. Rev. Lett. **51**, 1135 (1983).
- [5] R.L. Jaffe and A. Manohar, Nucl. Phys. **B337** 509 (1991); and references therein.
- [6] D. Adams et al., Phys. Lett. **B329**, 399 (1994).
- [7] B. Adeva et al., Phys. Lett. **B302**, 533 (1993).
- [8] P.L. Anthony et al., Phys. Rev. Lett. **71**, 959 (1993).
- [9] The HERMES Experiment at the Deutsches Elektronen Synchrotron (DESY), DESY World Wide Web Server home page.
- [10] F.E. Close and D. Sivers, Phys. Rev. Lett. **39**, 1116 (1977).
- [11] J. Ralston and D.E. Soper, Nucl. Phys. **B152**, 109 (1979).
- [12] J. Kodaira, et al., Nucl. Phys. **B159**, 99 (1979).
- [13] A.P. Bukhvostov, E.A. Kuraev, and L.N. Lipatov, Zh. Eksp. Teor. Fiz. **87**, 37 (1984); Sov. Phys. JEPT **60**, 22 (1984).
- [14] X. Artru and M. Mekhfi, Z. Phys. **C 45**, 669 (1990).
- [15] J. Collins, Proc. of the Polarized Collider Workshop, Penn State University (1990), eds. J. Collins, S Heppelmann, and R.W. Robinett, AIP conf. proc. No. **223**, AIP New York (1991).
- [16] R.L. Jaffe and Xiangdong Xi, Phys. Rev. Lett. **67**, 552 (1991).
- [17] G. Bunce et al., Particle World, **3**, 1 (1992).

- [18] RHIC Spin Collaboration, AGS/RHIC proposal, Aug. 1992; Update, Sept. 2, 1993.
- [19] PHENIX/Spin proposal, Sept 1994.
- [20] N. Saito and J. Moss, "Spin Physics and Inclusive Muon Production," PHENIX-muon-95-2, 1995.
<http://p2hp2.lanl.gov/phenix/muon/notes/d10.ps> postscript file
- [21] N. Saito and M. L. Brooks, "Current Status of the Simulation Study of Muon Tracking System," PHENIX-muon-95-8, 1995.
<http://p2hp2.lanl.gov/phenix/muon/notes/phenix-muon-95-8.ps> postscript file
- [22] C. Bourrely, J. Soffer, F.M. Renard, and P. Taxil, Phys. Rep. **177** (1989) 319-405.
- [23] N.S. Craigie, K. Hidaka, M. Jacob, and F.M. Renard Phys. Rep. **99** (1983) 69-236.
- [24] P. Taxil and J.M. Virey, preprint, hep-ph/9507434.
- [25] Yamamoto, *et al.*, UCRL-JC-119083, 1995.
- [26] W. Wayne Kinnison, *et al.*, "A Conceptual Design of the South Muon Arm Magnet," PHENIX-muon-95-5, 1995.
<http://p2hp2.lanl.gov/phenix/muon/notes/phenix-muon-95-5/phenix-muon-95-5.html>
- [27] PHENIX Technical Note 130, vol. 20.
- [28] PHENIX Technical Note 179, vol. 25.
- [29] B. Yu, *et al.*, "Resolution Measurement of an Interpolating Pad Chamber in the Test Beam at BNL," submitted to Nuclear Instr. and Methods.
- [30] V.A. Polychronakos and V. Tcherniatine, GEM TN-92-137, 1992.
- [31] Musser *et al.*, GEM-93-408, 1993.
- [32] Sawicki, R., LLNL-93-260, 1993.
- [33] M. L. Brooks, "Muon Alignment Requirements," PHENIX-muon-95-11, 1995.
<http://p2hp2.lanl.gov/phenix/muon/notes/mualign/mualign.html>
- [34] O'Connor, Paul, IEEE Trans. Nucl. Sci. **42**, (1995) 824-829.
<http://www.inst.bnl.gov/~nand/cscrep.html>
- [35] A. Bodek, Univ. Rochester Report UR911, 1985.
- [36] E. Cornell, *et al.*, Nucl. Instrum. and Methods **A 350**, (1994) 150.
- [37] PHENIX Muon Detector Review, PHENIX Note PN-84, 1993.

- [38] E. Iarocci, Nucl. Instrum. and Methods. **217**, (1983) 30.
- [39] X. He, *et al.*, “Luminosity Monitor and Polarimeter at RHIC,” Soon to be published phenix-muon-note.
- [40] K. Read, “PHENIX Muon Identifier FEE Specifications,” PHENIX-muon-95-18, 1995.
<http://p2hp2.lanl.gov/phenix/muon/notes/phenix-muon-95-18.html>
- [41] R. Vogt, Atom. Nucl. Data Tabl. **50**, (1992) 343.
- [42] P.L. McGaughey, E. Quack, P.V. Ruuskanen, R. Vogt and X.-N. Wang, Int. Jour. of Mod. Phys. A **V10**, (1995) 2999.
- [43] X.-N. Wang and M. Gyulassy, Phys. Rev. **D44**, (1991) 3501.
- [44] T.W. Ludlam, A. Pfoh, A. Shor, BNL-37196, 1986.
- [45] Alper, *et al.*, Nucl. Phys. **B100**, (1975) 237.
- [46] R. K. Choudhury and A. Mohanty, “A Primer for the PHENIX Simulation Codes PISA and PISORP,”
<http://rhinuc.phy.vanderbilt.edu>
- [47] E. Mathieson, “Cathode Charge Distributions in Multiwire Chambers,” NIM **A270**, (1988) 602-603.
- [48] H. Fenker, *et al.*, “Resolution Measurement of an Interpolating Pad Chamber in the 9 GeV/c π^- Beam at BNL,” SSCL-Preprint-557, 1994.
- [49] H. Wind, “Principal Component Analysis and its Application to Track Finding,” in Formula and Methods in Experimental Data Evaluation, Euro. Phys. Soc. 3, (1984).
- [50] V. Innocente, M. Maire, E. Nagy, “Average Tracking and Error Propagation Package,” L3 Report No.1, (1988) 572.
- [51] V. Innocente, E. Nagy, “Trajectory Fit in Presence of Dense Materials,” CERN Report, 1992.
- [52] H. Fenker, J. Thomas, M. Brooks, D. Lee, G. Mills, “Precision Interpolating Pad Chambers,” 1995 Vienna Wire Chamber Conference.
- [53] S. Mioduszewski, “Preliminary Results for Muon Discrimination,” PHENIX-muon-95-10, 1995.
<http://p2hp2.lanl.gov/phenix/muon/notes/phenix-muon-95-10/muon9510.html>
- [54] A. Mohanty, *et al.*, “Preliminary Results of Muon Level-1 Trigger Rates,” PHENIX-muon-95-12, 1995.
<http://p2hp2.lanl.gov/phenix/muon/notes/pm-95-12/muon9512.html>

- [55] P. Kirk, Workshop on Machine Backgrounds at RHIC, July 19-20, 1995, BNL.
- [56] S. Mioduszewski, "Generating Beam Gas Events Based on Limiting Fragmentation," PHENIX-muon-95-23, 1995.
<http://p2hp2.lanl.gov/phenix/muon/notes/phenix-muon-95-23/note22.html>
- [57] L Sihver, *et al.*, Nucl. Phys. **A543**, (1992) 703.
- [58] G. Pettit, *et al.*, "Trigger Rate Studies of the Muon Identifier Using Anode Wire Read-outs," PHENIX-muon-95-19, 1995.
http://p2hp2.lanl.gov/phenix/muon/notes/phenix-muon-95-19/note_2.html
- [59] G. Pettit, *et al.*, "Mu/Pi Discrimination with the Muon Identifier," PHENIX-muon-95-20, 1995.
http://p2hp2.lanl.gov/phenix/muon/notes/phenix-muon-95-20/note_1.html
- [60] D. Lee, "Alignment Requirements for the Muon Tracker," PHENIX-MUON-95-9, 1995.
<http://p2hp2.lanl.gov/phenix/muon/notes/phenix-muon-95-9/Alignment.html>
- [61] G. Mitselmakher and A. Ostapchuk, GEM TN-92-202, 1992.
- [62] The PHENIX/Spin Collaboration, "Spin Structure Function Physics with an Upgraded PHENIX Muon Spectrometer," 1995.