

Bibliography

- [1] P.D.B. Collins, *An Introduction to Regge Theory and High Energy Physics*. Cambridge University Press, England, 1997.
- [2] F.J. Hasert et al., Phys.Lett. **46B**, 138 (1973).
- [3] M.I. Perl et al., Phys.Rev.Lett **35**, 1489 (1975).
- [4] Guang-jiong Ni Guo-hong Yang Rong-tang Fu Haibin Wang, *Running Coupling Constants of Fermions with Masses in Quantum Electro Dynamics and Quantum Chromo Dynamics*, available on <http://arxiv.org/abs/hep-ph/9906364v1>.
- [5] P.D.B. Collins, *An Introduction to Regge Theory and High Energy Physics*. Cambridge University Press, England, 1997.
- [6] T. Regge, J.A. Wheeler, Phys. Rev. **108**, 1063 (1957).
- [7] A. Donnachie and P.V. Landshoff, Nucl. Phys. **B 231**, 189 (1984).
- [8] A. Donnachie and P.V. Landshoff, Phys. Lett. **B 191** (1987).
- [9] A. Donnachie and P.V. Landshoff, Phys. Lett. **B 296**, 227 (1992).
- [10] V. Barone and E. Predazzi, *High-Energy Particle Diffraction*. Springer, 2002.
- [11] J.J. Sakurai, Phys.Rev.Lett **22**, 981 (1969).
- [12] R. Ciesielski, *Exclusive J/ψ Production in Deep Inelastic ep Scattering in the ZEUS Experiment at HERA*. Ph.D. Thesis, Faculty of Physics of the Warsaw University, Institute of Experimental Physics, 2004.
- [13] M. Seidel. The upgraded interaction regions of HERA. DESY-HERA-00-01.
- [14] U. Schneekloth (ed.). The HERA luminosity upgrade. DESY-HERA-98-05.
- [15] U. Schneekloth. Recent HERA results and future prospects (1998), hepex/9806010.
- [16] I.Bloch, *Measurement of Beauty Production from Dimuon Events at HERA/ZEUS*. Ph.D. Thesis, Hamburg University, Hamburg (Germany),

2005. DESY-THESIS-05-034.
- [17] ZEUS Collaboration, U. Holm (ed.), *The ZEUS Detector*.
Status Report (unpublished), DESY (1993), available on
<http://www-zeus.desy.de/bluebook/bluebook.html>.
- [18] N. Harnew et al., Nucl. Inst. Meth. **A 279**, 290 (1989).
- [19] B. Foster et al., Nucl. Phys. Proc. Suppl. **B 32**, 181 (1993).
- [20] B. Foster et al., Nucl. Inst. Meth. **A 338**, 254 (1994).
- [21] A. Polini et al., Nucl. Inst. Meth. **A 581**, 31 (2007).
- [22] ZEUS Collaboration, U. Holm (ed.), *The ZEUS Detector*.
Status Report (unpublished), DESY (1993), available on
<http://www-zeus.desy.de/bluebook/bluebook.html>.
- [23] I.C. Brock, V. Bashkirov et al. for the ZEUS Collaboration. ZEUS Note
98-046, A Straw-Tube Tracker for ZEUS.
- [24] M. Derrick et al., Nucl. Inst. Meth. **A 309**, 77 (1991).
- [25] A. Andresen et al., Nucl. Inst. Meth. **A 309**, 101 (1991).
- [26] A. Caldwell et al., Nucl. Inst. Meth. **A 321**, 356 (1992).
- [27] A. Bernstein et al., Nucl. Inst. Meth. **A 336**, 23 (1993).
- [28] B. List and A. Mastroberardino, *DIFFVM - A Monte Carlo Generator
for Diffractive Processes in ep Scattering.*, October 16, 1998, available on
<https://www.desy.de/~blist/diffvm.html>.
- [29] D.H. Perkins, *Introduction to High Energy Physics*. Addison-Wesley,
1982.
- [30] F. Halzen and A.D. Martin, *Quarks and Leptons: An Introductory Course
in Modern Particle Physics*. John Wiley & Sons, Inc, 1984.
- [31] H. Grote, *Review of Pattern Recognition in High Energy Physics*, Reports
on Progress in Physics 50 (1987) 473-500.
- [32] H. Albrecht et al., *Search for Rare B Decays*, Phys. Lett. B 353 (1995)
554-562.
- [33] ATLAS Collaboration, *ATLAS Inner Detector Technical Design Report
Vol.I*, CERN/LHCC/97-16, CERN (1997).
- [34] C. Grupen, *Particle Detectors*, Cambridge Monographs on Particle
Physics, 1996.
- [35] D. Green, *The Physics of Particle Detectors*, Cambridge University Press

- (2000)
- [36] R. Carlin et al. (ZEUS Collaboration), *The ZEUS Microvertex Detector*, Nucl. Instr. and Meth. A511 (2003) 23–37.
- [37] R. Mankel, *The HERA-B Experiment: Overview And Concepts*, Proc. International Conference on High-Energy Physics (ICHEP 98), Vancouver 1998 (Canada), Vol. 2, 1513–1518.
- [38] H. Wieman et al., *STAR TPC at RHIC*, IEEE Trans. Nucl. Sci. NS-44 (1997) 671–678.
- J.H. Thomas, *A TPC for Measuring High Multiplicity Events at RHIC*, Nucl. Instr. and Meth. A478 (2002) 166-169.
- M. Anderson et al., *The STAR Time Projection Chamber: a Unique Tool for Studying High Multiplicity Events at RHIC*, Nucl. Instr. and Meth. A499 (2003) 659-678.
- [39] R. Frühwirth, *Application of Kalman Filtering*, Nucl. Instr. and Meth. A262 (1987) 444-450.
- [40] P. Billoir, S. Qian, *Simultaneous Pattern Recognition and Track Fitting by the Kalman Filtering Method*, Nucl. Instr. and Meth. A294 (1990) 219-228.
- [41] R.H. Böck, H. Grote, D. Notz and M. Regler, *Data Analysis Techniques for High-Energy Physics Experiments*, Cambridge Univ. Press (1990). 2nd edition (with R. Frühwirth) (2000)
- [42] main ORANGE web page,
http://www-zeus.desy.de/ZEUS_ONLY/analysis/orange/index.html
- [43] GMUON web page,

[http:// www-zeus.desy.de/~geiser/muon/gmuon.html](http://www-zeus.desy.de/~geiser/muon/gmuon.html)