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PUBLICATIONS

1. M. Derrick et al., ZEUS Collaboration, "Measurement of the photoproduction process $ep \rightarrow epJ/\psi$ at HERA", to be published in 1995.
2. B.G. Bylsma et al., "A fast cluster finding processor for the ZEUS calorimeter", Nucl. Instr. and Meth. in Phys. Res. A337, 512(1994).
3. B.G. Bylsma et al., "Optical readout components for the ZEUS calorimeter", Nucl. Instr. and Meth. in Phys. Res. A305, 354(1991).
4. A. Bernstein et al., "Beam test of the ZEUS barrel calorimeter", Nucl. Instr. and Meth. in Phys. Res. A336, 23(1991).
5. M. Derrick et al., ZEUS Collaboration, "Measurement of multiplicity and momentum spectra in the current fragmentation region of the Breit frame at HERA", DESY 95-007(1995), submitted to Z. f. Physik.
6. M. Derrick et al., ZEUS Collaboration, "Observation of hard scattering in photoproduction events with a large rapidity gap at HERA", DESY 94-210(1994), accepted by Phys. Lett. B - Ref. 4628.

7. M. Derrick et al., ZEUS Collaboration, “Extraction of the gluon density of the proton at small x”, DESY 94-192(1994), accepted by Phys. Lett. B - Ref. 4622.
8. M. Derrick et al., ZEUS Collaboration, “Inclusive Jet Differential Cross Sections in Photoproduction at HERA”, DESY 94-176(1994); Phys. Lett. 322B, 417(1995).
9. M. Derrick et al., ZEUS Collaboration, “A Search for Excited Fermions in Electron-Proton Collisions at HERA” DESY 94-175 (1994), accepted by Z. f. Physik - Manuscript No. 881.
10. M. Derrick et al., ZEUS Collaboration, “Measurement of the Proton Structure Function F_2 from the 1993 HERA Data”, DESY 94-143 (August 1994), accepted by Z. f. Physik - Manuscript No. 847
11. M. Derrick et al., ZEUS Collaboration, “Observation of Jet Production in Deep Inelastic Scattering with a Large Rapidity Gap at HERA”, DESY 94-063 (April 1994); Phys. Lett. 332B, 228(1994).
12. M. Derrick et al., ZEUS Collaboration, “Comparison of energy flows in deep inelastic scattering events with and without a large rapidity gap” Phys. Lett. 338B, 483(1994).
13. M. Derrick et al., ZEUS Collaboration, “Observation of direct processes in photoproduction at HERA”, DESY 93-151(1993); Phys. Lett. 322B, 287(1994).
14. M. Derrick et al., ZEUS Collaboration, “Measurement of total and partial photon proton cross sections at 180GeV center-of-mass energy”, DESY 94-032(1994); Z. f. Physik C63, 391(1994).
15. M. Derrick et al., ZEUS Collaboration, “Hadronic energy distribution in deep-inelastic e-p scatering”, Z. Phys. C59, 231(1993).
16. M. Derrick et al., ZEUS Collaboration, “Search for excited electrons using the ZEUS Detector”, Phys. Lett. 316B, 207(1993).
17. M. Derrick et al., ZEUS Collaboration, “Measurement of the proton structure function F_2 in ep scattering at HERA” Phys. Lett. 316B, 412(1993).
18. M. Derrick et al., ZEUS Collaboration, “Observation of events with large rapidity gap in deep inelastic scattering at HERA”, Phys. Lett. 315B, 481(1993).
19. M. Derrick et al., ZEUS Collaboration, “Search for leptoquarks with ZEUS at HERA”, Phys. Lett. 306B, 173(1993).
20. M. Derrick et al., ZEUS Collaboration, “Observation of two-jet production in deep inelastic scattering at HERA”, Phys. Lett. 306B, 158(1993).

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22. M. Derrick et al., ZEUS Collaboration, "Measurement of hard scattering in photoproduction at HERA", Phys. Lett. 297B, 404(1992).

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FIELDS OF STUDY

Major Field: Physics

Studies in Experimental High Energy Physics with Professors L.S. Durkin, T.Y. Ling, K. Honscheid; in Experimental Condensed Matter Physics (Conducting Polymers) with Professor A.J. Epstein.