

Ulrich Straumann, publications

(updated 15. Sept. 2005)

1. **“Protonium Spectroscopy And Identification Of P Wave And S Wave Initial States Of P Anti-P Annihilations At Rest With The Asterix Experiment At Lear”**
S. Ahmad *et al.*
CERN-EP/82-150
Invited paper at the Workshop on Physics at LEAR with Low Energy Cooled Antiprotons, Erice, Italy, May 9-16, 1982
2. **“(Q Anti-Q) Spectroscopy And Search For Glueballs, Baryonia And Other Boson Resonances In Anti-P P Annihilations At Rest With The Asterix Experiment At Lear”**
W. Dahme *et al.* [ASTERIX Collaboration]
CERN-EP/82-165
Invited paper given at Workshop on Physics at LEAR with Low-Energy Cooled Antiprotons, Erice, Italy, May 9-16, 1982
3. **“M2 States In A = 15: N-15 (Pi-, Gamma) C-15”**
U. Straumann *et al.*
Phys. Rev. C **27**, 2771 (1983)
4. **“M2 Strength In A = 15 Nuclei. (Talk, Abstract Only)”**
U. Straumann *et al.*
Helv. Phys. Acta **56**, 980 (1983)
5. **“Neutron Photon Pulse Shape Discrimination At Medium-Energies In A Large Nai Crystal. (Talk, Abstract Only)”**
M. Dobeli, L. Van Elmbt, M. Lebrun, U. Straumann and P. Truol
Helv. Phys. Acta **56**, 979 (1983)
6. **“Isovector M2 State Observed In The C-14 (Pi-, Gamma) Reaction”**
H. W. Baer *et al.*
Phys. Rev. C **28**, 761 (1983)
7. **“Positron Blocking From Muon Decay In Silicon”**
B. D. Patterson, A. Bosshard, U. Straumann, P. Truol, A. Wuest and T. Wichert
Phys. Rev. Lett. **52**, 938 (1984)
8. **“Muon Decay Blocking In Silicon. (Abstract Only)”**
B. D. Patterson, A. Bosshard, P. Truol, U. Straumann, A. Wuest and T. Wichert
9. **“No Precritical Enhancement Observed In C-13 (Pi+, Gamma) N-13 (G.S.) At Q = (Approximately) 2 M (Pi)”**
C. J. Martoff *et al.*
Nucl. Phys. A **430**, 557 (1984)
10. **“P Anti-P Annihilations At Rest In Hydrogen Gas: Report On Preliminary Results Of The Asterix Experiment At Lear”**
S. Ahmad *et al.* [ASTERIX Collaboration]
CERN-EP/84-85
Presented at Int. School of Physics of Exotic Atoms, Erice, Italy, Mar 31 - Apr 6, 1984
11. **“Anti-P P Annihilation At Rest From Atomic P States”**
S. Ahmad *et al.* [ASTERIX Collaboration]
CERN-EP/84-116
Presented at 7th European Symp. on Antiproton Interactions, Durham, England, Jul 9-13, 1984

12. **“Search For Monochromatic Pion Emission In Anti-P P Annihilation From Atomic P States”**
S. Ahmad *et al.* [ASTERIX Collaboration]
Phys. Lett. B **152**, 135 (1985)
13. **“Anti-Proton Annihilation At Rest In Nitrogen And Argon”**
P. Truol *et al.* [ASTERIX COLLABORATION Collaboration]
14. **“First Observation Of K X-Rays From P Anti-P Atoms”**
S. Ahmad *et al.* [ASTERIX Collaboration]
Phys. Lett. B **157**, 333 (1985)
15. **“Anti-P P Annihilation Into Neutral Kaons”**
S. Ahmad *et al.* [ASTERIX Collaboration]
CERN-EP/85-53
Presented at 3rd LEAR Workshop on Physics, Tignes, France, Jan 19-26, 1985
16. **“Letter Of Intent For An Experiment At Hera: H1 Collaboration”**
C. Berger *et al.* [H1 Collaboration]
DESY-HERA-LI-2
17. **“Status And Future Of The Asterix Experiment”**
E. Klempt *et al.* [ASTERIX COLLABORATION Collaboration]
18. **“Analysis Of The Ozi Rule Forbidden Phi Meson Production In The Reaction Anti-P P \rightarrow Pi+ Pi- K+ K- As Seen By The Asterix Detector At Lear”**
M. Heel *et al.*
19. **“X-Ray Spectra Of The P Anti-P Atom In Coincidence With Annihilation Into Neutral And Charged Channels”**
U. Schaefer *et al.*
20. **“Anti-Proton - Proton Annihilation Into Collinear Charged Pions And Kaons”**
S. Ahmad *et al.* [ASTERIX Collaboration]
TRI-PP-86-45
Contributed paper at 2nd Conference on Intersections between Particles and Nuclear Physics, Lake Louise, Canada, May 26-31, 1986
21. **“Results From A Test Of A Pb - Cu Liquid Argon Calorimeter”**
W. Braunschweig *et al.* [H1 Collaboration]
Nucl. Instrum. Meth. A **265**, 419 (1988)
22. **“Results From A Test Of An Iron Streamer Tube Calorimeter”**
W. Braunschweig *et al.* [H1 Collaboration]
Nucl. Instrum. Meth. A **270**, 334 (1988)
23. **“Cascade Time Of Anti-Protons In Gaseous Hydrogen”**
G. Reifenrother *et al.*
Phys. Lett. B **214**, 325 (1988)
24. **“Anti-P P Annihilation Into K0 Anti-K0 In Hydrogen Gas”**
M. Doser *et al.* [ASTERIX COLLABORATION Collaboration]
Phys. Lett. B **215**, 792 (1988) [Nucl. Phys. Proc. Suppl. **8**, 213 (1989)]
25. **“Nuclear Anti-Proton Absorption Involving More Than One Nucleon”**
J. Riedlberger *et al.*
Nucl. Phys. Proc. Suppl. **8**, 288 (1989)
26. **“Study Of The E (1420) In Anti-P P Annihilation At Rest In H-2 Gas”**
K. D. Duch *et al.* [ASTERIX Collaboration]
Nucl. Phys. Proc. Suppl. **8**, 50 (1989)
27. **“Production Of Pi+ Pi- Pi0 In Anti-P P Annihilation At Rest From Atomic P State”**
B. May *et al.* [ASTERIX Collaboration]
Nucl. Phys. Proc. Suppl. **8**, 218 (1989)

28. **“Measurement Of The Strong Interaction Shift And Broadening Of The Ground State Of The P Anti-P Atom”**
M. Ziegler *et al.* [ASTERIX Collaboration]
Phys. Lett. B **206**, 151 (1988)
29. **“Anti-P P Annihilation Into π^+ π^- And K^+ K^- From Atomic P States”**
M. Doser *et al.* [ASTERIX Collaboration]
Nucl. Phys. A **486**, 493 (1988)
30. **“Performance Of A Pb Cu Liquid Argon Calorimeter With An Iron Streamer Tube Tail Catcher”**
W. Braunschweig *et al.* [H1 Calorimeter Group]
Nucl. Instrum. Meth. A **275**, 246 (1989)
31. **“X-Rays From Proton Anti-Proton Annihilation Into Charged Final States”**
U. Schafer *et al.*
Nucl. Phys. A **495**, 451 (1989)
32. **“The Central Inner Z Drift Chamber Of The H1 Experiment”**
S. Egli, C. A. Meyer, P. Robmann, U. Straumann, P. Truol, R. Eichler and R. Holzreuter
Nucl. Instrum. Meth. A **283**, 487 (1989)
33. **“Anti-Proton Annihilation At Rest In Nitrogen And Deuterium Gas”**
J. Riedlberger *et al.*
Phys. Rev. C **40**, 2717 (1989)
34. **“Construction And Analysis Of A Prototype Drift Chamber For The H1 Experiment”**
P. Robmann *et al.*
Nucl. Instrum. Meth. A **277**, 368 (1989)
35. **“A New Isoscalar Tensor Meson Produced In Anti-P P Annihilation At Rest”**
E. Klempt *et al.* [ASTERIX Collaboration]
36. **“Results From A Test Of A Pb-Fe Liquid Argon Calorimeter”**
W. Braunschweig *et al.* [H1 Calorimeter Group]
DESY 89/022
37. **“Observation Of An Isoscalar Meson $A_x(1565)$ In Annihilation Of The Anti-P P Atom From P States”**
B. May *et al.* [ASTERIX Collaboration]
Phys. Lett. B **225**, 450 (1989)
38. **“Observation And Analysis Of E Mesons In Anti-P P Annihilation At Rest In H-2 Gas”**
K. D. Duch *et al.* [ASTERIX Collaboration]
Z. Phys. C **45**, 223 (1989)
39. **“The Asterix Spectrometer At Lear”**
S. Ahmad *et al.* [ASTERIX Collaboration]
Nucl. Instrum. Meth. A **286**, 76 (1990)
40. **“Anti-Proton Proton Annihilation At Rest Into π^+ π^- η' And π^+ π^- η From Atomic S And P States”**
P. Weidenauer *et al.*
Z. Phys. C **47**, 353 (1990)
41. **“Evidence For A Multi - Quark State In Anti-P P Annihilation At Rest”**
E. Klempt *et al.*
Nucl. Phys. A **508**, 317C (1990)
42. **“Anti-Proton Proton Annihilation At Rest In H-2 Gas Into π^+ π^- π^0 . 1: Annihilation From S States”**
B. May *et al.* [ASTERIX Collaboration]
Z. Phys. C **46**, 191 (1990)
43. **“Anti-Proton Proton Annihilation At Rest In H-2 Gas Into π^+ π^- π^0 . 2: Annihilation From P States”**
B. May *et al.* [ASTERIX Collaboration]
Z. Phys. C **46**, 203 (1990)

44. **“Phi production in anti-p p annihilation at rest”**
J. Reifenroether *et al.* [ASTERIX Collaboration]
Phys. Lett. B **267**, 299 (1991)
45. **“Construction and performance of a thin cylindrical multiwire proportional chamber with cathode pad readout for the H1 experiment”**
K. Muller *et al.*
Nucl. Instrum. Meth. A **312**, 457 (1992)
46. **“A fast pipelined trigger for the H1 experiment based on multiwire proportional chamber signals”**
S. Eichenberger *et al.*
Nucl. Instrum. Meth. A **323**, 532 (1992)
47. **“First experience with HERA beams”**
U. Straumann
Invited talk given at 20th Annual SLAC Summer Institute on Particle Physics: The Third Family and the Physics of Flavor (School: Jul 13- 24, Topical Conference: Jul 22-24, Symposium on Tau Physics: Jul 24) (SSI 92), Stanford, CA, 13-24 Jul 1992
48. **“A Drift chamber track finder for the first level trigger of the H1 experiment”**
T. Wolff *et al.*
Nucl. Instrum. Meth. A **323**, 537 (1992)
Contribution to 6th Wire Chamber Conf., Vienna, Austria, Feb 17-21, 1992
49. **“Hard scattering in gamma p interactions”**
T. Ahmed *et al.* [H1 Collaboration]
Phys. Lett. B **297**, 205 (1992)
50. **“Total photoproduction cross-section measurement at HERA energies”**
T. Ahmed *et al.* [H1 Collaboration]
Phys. Lett. B **299**, 374 (1993)
51. **“Measurement of the hadronic final state in deep inelastic scattering at HERA”**
T. Ahmed *et al.* [H1 Collaboration]
Phys. Lett. B **298**, 469 (1993)
52. **“Observation of deep inelastic scattering at low x”**
T. Ahmed *et al.* [H1 Collaboration]
Phys. Lett. B **299**, 385 (1993)
53. **“N anti-N annihilation at rest into five pions”**
P. Weidenauer *et al.* [ASTERIX Collaboration.]
Z. Phys. C **59**, 387 (1993)
54. **“A Search for leptoquarks, leptogluons and excited leptons in H1 at HERA”**
I. Abt *et al.* [H1 Collaboration]
Nucl. Phys. B **396**, 3 (1993)
55. **“Results from pion calibration runs for the H1 liquid argon calorimeter and comparisons with simulations”**
B. Andrieu *et al.* [H1 Calorimeter Group]
Nucl. Instrum. Meth. A **336**, 499 (1993)
56. **“Measurement of inclusive jet cross-sections in photoproduction at HERA”**
I. Abt *et al.* [H1 Collaboration]
Phys. Lett. B **314**, 436 (1993)
57. **“The H1 detector at HERA”**
I. Abt *et al.* [H1 Collaboration]
DESY-93-103
58. **“Measurement of the proton structure function F2 (x, Q**2) in the low x region at HERA”**
I. Abt *et al.* [H1 Collaboration]
Nucl. Phys. B **407**, 515 (1993)

59. **“A Measurement of multi - jet rates in deep inelastic scattering at HERA”**
 I. Abt *et al.* [H1 Collaboration]
 Z. Phys. C **61**, 59 (1994)
60. **“Scaling violations of the proton structure function f_2 at small x ”**
 I. Abt *et al.* [H1 Collaboration]
 Phys. Lett. B **321**, 161 (1994)
61. **“Electron / pion separation with the H1 LAr calorimeters”**
 B. Andrieu *et al.* [H1 Calorimeter Group]
 Nucl. Instrum. Meth. A **344**, 492 (1994)
62. **“First measurement of the charged current cross-section at HERA”**
 T. Ahmed *et al.* [H1 Collaboration]
 Phys. Lett. B **324**, 241 (1994)
63. **“Inclusive charged particle cross-sections in photoproduction at HERA”**
 I. Abt *et al.* [H1 Collaboration]
 Phys. Lett. B **328**, 176 (1994)
64. **“Energy flow and charged particle spectrum in deep inelastic scattering at HERA”**
 I. Abt *et al.* [H1 Collaboration]
 Z. Phys. C **63**, 377 (1994)
65. **“Beam tests and calibration of the H1 liquid argon calorimeter with electrons”**
 B. Andrieu *et al.* [H1 Calorimeter Group]
 Nucl. Instrum. Meth. A **350**, 57 (1994)
66. **“Deep inelastic scattering events with a large rapidity gap at HERA”**
 T. Ahmed *et al.* [H1 Collaboration]
 Nucl. Phys. B **429**, 477 (1994)
67. **“A Search for heavy leptons at HERA”**
 T. Ahmed *et al.* [H1 Collaboration]
 Phys. Lett. B **340**, 205 (1994)
68. **“Photoproduction of J / ψ mesons at HERA”**
 T. Ahmed *et al.* [H1 Collaboration]
 Phys. Lett. B **338**, 507 (1994)
69. **“A Search for leptoquarks and squarks at HERA”**
 T. Ahmed *et al.* [H1 Collaboration]
 Z. Phys. C **64**, 545 (1994)
70. **“Deep inelastic scattering at HERA”**
 U. Straumann
Prepared for Summer School on Hadronic Aspects of Collider Physics, Zuo, Switzerland, 23-31 Aug 1994
71. **“Observation of hard processes in rapidity gap events in gamma p interactions at HERA”**
 T. Ahmed *et al.* [H1 Collaboration]
 Nucl. Phys. B **435**, 3 (1995)
72. **“Determination of the strong coupling constant from jet rates in deep inelastic scattering”**
 T. Ahmed *et al.* [H1 Collaboration]
 Phys. Lett. B **346**, 415 (1995)
73. **“Study of a novel electromagnetic liquid argon calorimeter TGT”**
 C. Berger *et al.* [RD33 Collaboration]
 Nucl. Instrum. Meth. A **357**, 333 (1995)
74. **“Observation of an $e^+ p \rightarrow \mu^+ X$ event with high transverse momenta at HERA”**
 T. Ahmed *et al.* [H1 Collaboration]
 DESY-94-248

75. **“Experience with the first level trigger of H1”**
 F. Sefkow, E. Elsen, H. Krehbiel, U. Straumann and J. Coughlan
 IEEE Trans. Nucl. Sci. **42**, 900 (1995)
 Prepared for *IEEE 1994 Nuclear Science Symposium (NSS) and Medical Imaging Conference (MIC)*, Norfolk, Virginia, 30 Oct - 5 Nov 1994
76. **“Measurement of F2 in DIS at HERA”**
 U. Straumann [H1 Collaboration]
 Prepared for *International Europhysics Conference on High-energy Physics (HEP 95)*, Brussels, Belgium, 27 Jul - 2 Aug 1995
77. **“A Measurement of the proton structure function $f_2(x, Q^2)$ ”**
 T. Ahmed *et al.* [H1 Collaboration]
 Nucl. Phys. B **439**, 471 (1995) [arXiv:hep-ex/9503001]
78. **“First measurement of the deep inelastic structure of proton diffraction”**
 T. Ahmed *et al.* [H1 Collaboration]
 Phys. Lett. B **348**, 681 (1995) [arXiv:hep-ex/9503005]
79. **“Experimental study of hard photon radiation processes at HERA”**
 T. Ahmed *et al.* [H1 Collaboration]
 Z. Phys. C **66**, 529 (1995)
80. **“Inclusive parton cross-sections in photoproduction and photon structure”**
 T. Ahmed *et al.* [H1 Collaboration]
 Nucl. Phys. B **445**, 195 (1995) [arXiv:hep-ex/9504004]
81. **“Leptoquarks and compositeness scales from a contact interaction analysis of deep inelastic e^+p scattering at HERA”**
 S. Aid *et al.* [H1 Collaboration]
 Phys. Lett. B **353**, 578 (1995) [arXiv:hep-ex/9504008]
82. **“A Study of the fragmentation of quarks in e^-p collisions at HERA”**
 S. Aid *et al.* [H1 Collaboration]
 Nucl. Phys. B **445**, 3 (1995) [arXiv:hep-ex/9505003]
83. **“A Direct determination of the gluon density in the proton at low x ”**
 S. Aid *et al.* [H1 Collaboration]
 Nucl. Phys. B **449**, 3 (1995) [arXiv:hep-ex/9505014]
84. **“The Gluon density of the proton at low x from a QCD analysis of F2”**
 S. Aid *et al.* [H1 Collaboration]
 Phys. Lett. B **354**, 494 (1995) [arXiv:hep-ex/9506001]
85. **“Measurement of the e^+ and e^- induced charged current cross-sections at HERA”**
 S. Aid *et al.* [H1 Collaboration]
 Z. Phys. C **67**, 565 (1995) [arXiv:hep-ex/9506002]
86. **“Transverse energy and forward jet production in the low x regime at HERA”**
 S. Aid *et al.* [H1 Collaboration]
 Phys. Lett. B **356**, 118 (1995) [arXiv:hep-ex/9506012]
87. **“Comparison of deep inelastic scattering with photoproduction interactions at HERA”**
 S. Aid *et al.* [H1 Collaboration]
 Phys. Lett. B **358**, 412 (1995) [arXiv:hep-ex/9508013]
88. **“Measurement of the Total Photon Proton Cross Section and its Decomposition at 200 GeV Centre of Mass Energy”**
 S. Aid *et al.* [H1 Collaboration]
 Z. Phys. C **69**, 27 (1995) [arXiv:hep-ex/9509001]
89. **“Jets and Energy Flow in Photon-Proton Collisions at HERA”**
 S. Aid *et al.* [H1 Collaboration]
 Z. Phys. C **70**, 17 (1996) [arXiv:hep-ex/9511012]

90. **“A Search for Leptoquarks at HERA”**
S. Aid *et al.* [H1 Collaboration]
Phys. Lett. B **369**, 173 (1996) [arXiv:hep-ex/9512001]
91. **“X-ray transitions in anti-protonic hydrogen atoms and their line shape”**
E. Klempt *et al.*
92. **“Pion source dimensions from Bose-Einstein correlations in anti-proton absorption on nuclei”**
J. Riedlberger *et al.*
93. **“Anti-proton annihilation in deuterium gas: Selected results from the ‘Asterix experiment’”**
P. Truoel *et al.*
94. **“High statistics study of anti-p p annihilation at rest in H-2 gas”**
R. Landua *et al.* [Asterix Collaboration]
95. **“The microstrip detector readout system at HERA-B”**
M. Feuerstack-Raible *et al.*
Given at 2nd Workshop on Electronics for LHC Experiments, Balatonfured, Hungary, 23-27 Sep 1996
96. **“HELIX: A readout chip for the HERA-B microstrip detectors”**
W. Fallo-Burghardt *et al.*
Given at 2nd Workshop on Electronics for LHC Experiments, Balatonfured, Hungary, 23-27 Sep 1996
97. **“Elastic Photoproduction of ρ^0 Mesons at HERA”**
S. Aid *et al.* [H1 Collaboration]
Nucl. Phys. B **463**, 3 (1996) [arXiv:hep-ex/9601004]
98. **“Energy flow in the hadronic final state of diffractive and non-diffractive deep-inelastic scattering at HERA”**
S. Aid *et al.* [H1 Collaboration]
Z. Phys. C **70**, 609 (1996) [arXiv:hep-ex/9602001]
99. **“Elastic Electroproduction of ρ and J/Ψ Mesons at large Q^2 at HERA”**
S. Aid *et al.* [H1 Collaboration]
Nucl. Phys. B **468**, 3 (1996) [arXiv:hep-ex/9602007]
100. **“A Measurement and QCD Analysis of the Proton Structure Function $F_2(x, Q^2)$ at HERA”**
S. Aid *et al.* [H1 Collaboration]
Nucl. Phys. B **470**, 3 (1996) [arXiv:hep-ex/9603004]
101. **“Elastic and Inelastic Photoproduction of J/ψ Mesons at HERA”**
S. Aid *et al.* [H1 Collaboration]
Nucl. Phys. B **472**, 3 (1996) [arXiv:hep-ex/9603005]
102. **“Measurement of the Q^2 dependence of the Charged and Neutral Current Cross Sections in $e \pm p$ Scattering at HERA”**
S. Aid *et al.* [H1 Collaboration]
Phys. Lett. B **379**, 319 (1996) [arXiv:hep-ex/9603009]
103. **“Photoproduction of $D^{*\pm}$ Mesons in ep Collisions at HERA”**
S. Aid *et al.* [H1 Collaboration]
Nucl. Phys. B **472**, 32 (1996) [arXiv:hep-ex/9604005]
104. **“A Search for Squarks of R_p-Violating SUSY at HERA”**
S. Aid *et al.* [H1 Collaboration]
Z. Phys. C **71**, 211 (1996) [arXiv:hep-ex/9604006]
105. **“A Search for Selectrons and Squarks at HERA”**
S. Aid *et al.* [H1 Collaboration]
Phys. Lett. B **380**, 461 (1996) [arXiv:hep-ex/9605002]
106. **“Strangeness production in deep-inelastic positron proton scattering at HERA”**
S. Aid *et al.* [H1 Collaboration]
Nucl. Phys. B **480**, 3 (1996) [arXiv:hep-ex/9607010]

107. **“Inclusive D^0 and D^{*+} production in neutral current deep inelastic e p scattering at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Z. Phys. C **72**, 593 (1996) [arXiv:hep-ex/9607012]
108. **“The H1 detector at HERA”**
I. Abt *et al.* [H1 Collaboration]
Nucl. Instrum. Meth. A **386**, 310 (1997)
109. **“The Tracking, calorimeter and muon detectors of the H1 experiment at HERA ”**
I. Abt *et al.* [H1 Collaboration]
Nucl. Instrum. Meth. A **386**, 348 (1997)
110. **“Charged particle multiplicities in deep inelastic scattering at HERA”**
S. Aid *et al.* [H1 Collaboration]
Z. Phys. C **72**, 573 (1996) [arXiv:hep-ex/9608011]
111. **“Search for excited fermions with the H1 detector”**
S. Aid *et al.* [H1 Collaboration]
Nucl. Phys. B **483**, 44 (1997) [arXiv:hep-ex/9609008]
112. **“Measurement of charged particle transverse momentum spectra in deep inelastic scattering”**
C. Adloff *et al.* [H1 Collaboration]
Nucl. Phys. B **485**, 3 (1997) [arXiv:hep-ex/9610006]
113. **“Scale influence on the energy dependence of photon proton cross sections”**
S. Aid *et al.* [H1 Collaboration]
Phys. Lett. B **392**, 234 (1997) [arXiv:hep-ex/9611004]
114. **“Determination of the longitudinal proton structure function $F(L)(x, Q^{*2})$ at low x ”**
C. Adloff *et al.* [H1 Collaboration]
Phys. Lett. B **393**, 452 (1997) [arXiv:hep-ex/9611017]
115. **“HELIX128S-2.1: Design of a readout chip for the HERA-B microstrip detectors”**
W. Fallot-Burghardt *et al.*
Given at 3rd Workshop on Electronics for LHC Experiments, London, England, 22-26 Sep 1997
116. **“Performance of HELIX128S-2.1: A readout chip for the HERA-B microstrip detectors”**
U. Trunk *et al.*
Given at 3rd Workshop on Electronics for LHC Experiments, London, England, 22-26 Sep 1997
117. **“HELIX128S-2: A readout chip for the silicon vertex detector and inner tracker detector of HERA-B”**
U. Trunk *et al.*
Given at 7th ICFA School on Instrumentation in Elementary Particle Physics, Leon, Guanajuato, Mexico, 7-19 Jul 1997
118. **“Quark and gluon structure of the nucleon”**
U. Straumann
Given at 6th Conference on the Intersections of Particle and Nuclear Physics (CIPANP 97), Big Sky, MT, 27 May - 2 Jun 1997
119. **“Study of the $E(1420)$ in anti-p p annihilation at rest in H-2 gas”**
R. Landua *et al.* [ASTERIX Collaboration]
Prepared for BNL Workshop on Glueballs, Hybrids and Exotic Hadrons, Upton, NY, 29 Aug - 1 Sep 1988
120. **“Diffraction dissociation in photoproduction at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Z. Phys. C **74**, 221 (1997) [arXiv:hep-ex/9702003]
121. **“Observation of events at very high Q^{*2} in e p collisions at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Z. Phys. C **74**, 191 (1997) [arXiv:hep-ex/9702012]
Prepared for 32nd Rencontres de Moriond: Electroweak Interactions and Unified Theories, Les Arcs, France, 15-22 Mar 1997

122. **“A measurement of the proton structure function $F_2(x, Q^2)$ at low x and low Q^2 at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Nucl. Phys. B **497**, 3 (1997) [arXiv:hep-ex/9703012]
123. **“Bose-Einstein correlations in deep inelastic $e p$ scattering at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Z. Phys. C **75**, 437 (1997) [arXiv:hep-ex/9705001]
124. **“Proton dissociative ρ and elastic Φ electroproduction at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Z. Phys. C **75**, 607 (1997) [arXiv:hep-ex/9705014]
125. **“Photoproduction of K_0 and Λ at HERA and a comparison with deep inelastic scattering”**
C. Adloff *et al.* [H1 Collaboration]
Z. Phys. C **76**, 213 (1997) [arXiv:hep-ex/9705018]
126. **“Measurement of event shape variables in deep inelastic $e p$ scattering”**
C. Adloff *et al.* [H1 Collaboration]
Phys. Lett. B **406**, 256 (1997) [arXiv:hep-ex/9706002]
127. **“Evolution of $e p$ fragmentation and multiplicity distributions in the Breit frame”**
C. Adloff *et al.* [H1 Collaboration]
Nucl. Phys. B **504**, 3 (1997) [arXiv:hep-ex/9707005]
128. **“Inclusive measurement of diffractive deep-inelastic $e p$ scattering”**
C. Adloff *et al.* [H1 Collaboration]
Z. Phys. C **76**, 613 (1997) [arXiv:hep-ex/9708016]
129. **“Measurement of the inclusive di-jet cross section in photoproduction and determination of an effective parton distribution in the photon”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **1**, 97 (1998) [arXiv:hep-ex/9709004]
130. **“Low Q^2 jet production at HERA and virtual photon structure”**
C. Adloff *et al.* [H1 Collaboration]
Phys. Lett. B **415**, 418 (1997) [arXiv:hep-ex/9709017]
131. **“Thrust jet analysis of deep-inelastic large-rapidity-gap events”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **1**, 495 (1998) [arXiv:hep-ex/9711006]
132. **“Photo-production of $\psi(2S)$ mesons at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Phys. Lett. B **421**, 385 (1998) [arXiv:hep-ex/9711012]
133. **“Development of a read-out chip suitable for the LHCb experiment”**
M. Feuerstack-Raible, U. Straumann, E. Sexauer, M. Schmelling, U. Trunk, R. Kluit and J. van den Brand
Given at 4th Workshop on Electronics for LHC Experiments (LEB 98), Rome, Italy, 21-25 Sep 1998
134. **“The HELIX128 readout chip family for silicon microstrip detectors and microstrip gaseous chambers”**
C. Bauer *et al.*
Given at 4th Workshop on Electronics for LHC Experiments (LEB 98), Rome, Italy, 21-25 Sep 1998
135. **“LHCb technical proposal”**
S. Amato *et al.* [LHCb Collaboration]
CERN-LHCC-98-4
136. **“Hadron production in diffractive deep-inelastic scattering”**
C. Adloff *et al.* [H1 Collaboration]
Phys. Lett. B **428**, 206 (1998) [arXiv:hep-ex/9803032]
137. **“Multiplicity structure of the hadronic final state in diffractive deep-inelastic scattering at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **5**, 439 (1998) [arXiv:hep-ex/9804012]

138. **“Observation of events with an isolated high energy lepton and missing transverse momentum at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **5**, 575 (1998) [arXiv:hep-ex/9806009]
139. **“Differential (2+1) jet event rates and determination of $\alpha(s)$ in deep inelastic scattering at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **5**, 625 (1998) [arXiv:hep-ex/9806028]
140. **“Di-jet event rates in deep-inelastic scattering at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **13**, 415 (2000) [arXiv:hep-ex/9806029]
141. **“Multi-jet event rates in deep inelastic scattering and determination of the strong coupling constant”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **6**, 575 (1999) [arXiv:hep-ex/9807019]
142. **“Diffractive dijet production at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **6**, 421 (1999) [arXiv:hep-ex/9808013]
143. **“Forward jet and particle production at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Nucl. Phys. B **538**, 3 (1999) [arXiv:hep-ex/9809028]
144. **“Charged particle cross sections in photoproduction and extraction of the gluon density in the photon”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **10**, 363 (1999) [arXiv:hep-ex/9810020]
145. **“Measurement of leading proton and neutron production in deep inelastic scattering at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **6**, 587 (1999) [arXiv:hep-ex/9811013]
146. **“Measurement of D^* meson cross sections at HERA and determination of the gluon density in the proton using NLO QCD”**
C. Adloff *et al.* [H1 Collaboration]
Nucl. Phys. B **545**, 21 (1999) [arXiv:hep-ex/9812023]
147. **“Measurement of dijet cross-sections at low Q^{*2} and the extraction of an effective parton density for the virtual photon”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **13**, 397 (2000) [arXiv:hep-ex/9812024]
148. **“Measurement of internal jet structure in dijet production in deep-inelastic scattering at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Nucl. Phys. B **545**, 3 (1999) [arXiv:hep-ex/9901010]
149. **“Performance and radiation tolerance of the HELIX128-2.2 and 3.0 readout chips for the HERA-B microstrip detectors”**
C. Bauer *et al.*
Prepared for 5th Workshop on Electronics for the LHC Experiments (LEB 99), Snowmass, Colorado, 20-24 Sep 1999
150. **“Elastic electroproduction of rho mesons at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **13**, 371 (2000) [arXiv:hep-ex/9902019]
151. **“Charmonium production in deep inelastic scattering at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **10**, 373 (1999) [arXiv:hep-ex/9903008]

152. **“A search for leptoquark bosons and lepton flavor violation in $e^+ p$ collisions at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Eur. Phys. J. C **11**, 447 (1999) [Erratum-ibid. C **14**, 553 (2000)] [arXiv:hep-ex/9907002]
153. **“Measurements of transverse energy flow in deep inelastic-scattering at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Eur. Phys. J. C **12**, 595 (2000) [arXiv:hep-ex/9907027]
154. **“Forward π^0 meson production at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Phys. Lett. B **462**, 440 (1999) [arXiv:hep-ex/9907030]
155. **“Measurement of neutral and charged current cross-sections in positron proton collisions at large momentum transfer”**
 C. Adloff *et al.* [H1 Collaboration]
 Eur. Phys. J. C **13**, 609 (2000) [arXiv:hep-ex/9908059]
156. **“Measurement of open beauty production at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Phys. Lett. B **467**, 156 (1999) [Erratum-ibid. B **518**, 331 (2001)] [arXiv:hep-ex/9909029]
157. **“Investigation of power corrections to event shape variables measured in deep-inelastic scattering”**
 C. Adloff *et al.* [H1 Collaboration]
 Eur. Phys. J. C **14**, 255 (2000) [Erratum-ibid. C **18**, 417 (2000)] [arXiv:hep-ex/9912052]
158. **“A triple GEM detector with two-dimensional readout”**
 M. Ziegler, P. Sievers and U. Straumann
 Nucl. Instrum. Meth. A **471**, 260 (2000)
Prepared for International Conference on Imaging 2000, Stockholm, Sweden, 28 Jun - 1 Jul 2000
159. **“Search for compositeness, leptoquarks and large extra dimensions in $e q$ contact interactions at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Phys. Lett. B **479**, 358 (2000) [arXiv:hep-ex/0003002]
160. **“Measurement of di-jet cross-sections in photoproduction and photon structure”**
 C. Adloff *et al.* [H1 Collaboration]
 Phys. Lett. B **483**, 36 (2000) [arXiv:hep-ex/0003011]
161. **“Elastic photoproduction of J/ψ and Upsilon mesons at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Phys. Lett. B **483**, 23 (2000) [arXiv:hep-ex/0003020]
162. **“Measurement of elastic electroproduction of Phi mesons at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Phys. Lett. B **483**, 360 (2000) [arXiv:hep-ex/0005010]
163. **“Inclusive photoproduction of neutral pions in the photon hemisphere at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Eur. Phys. J. C **18**, 293 (2000) [arXiv:hep-ex/0006017]
164. **“A triple GEM detector with two dimensional readout”**
 M. Ziegler, P. Sievers and U. Straumann
 arXiv:hep-ex/0007007
165. **“A search for excited fermions at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Eur. Phys. J. C **17**, 567 (2000) [arXiv:hep-ex/0007035]
166. **“Dijet production in charged and neutral current $e^+ p$ interactions at high Q^{*2} ”**
 C. Adloff *et al.* [H1 Collaboration]
 Eur. Phys. J. C **19**, 429 (2001) [arXiv:hep-ex/0010016]

167. **“First level trigger for H1, using the latest FPGA generation”**
M. Urban, U. Straumann, A. Rausch and J. Becker
Prepared for 6th Workshop on Electronic for LHC Experiments, Cracow, Poland, 11-15 Sep 2000
168. **“Measurement and QCD analysis of jet cross sections in deep-inelastic positron proton collisions at $s^{1/2}$ of 300-GeV”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **19**, 289 (2001) [arXiv:hep-ex/0010054]
169. **“Diffractive jet production in deep-inelastic $e^+ p$ collisions at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **20**, 29 (2001) [arXiv:hep-ex/0012051]
170. **“Measurement of neutral and charged current cross sections in electron proton collisions at high Q^2 ”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **19**, 269 (2001) [arXiv:hep-ex/0012052]
171. **“Deep-inelastic inclusive $e p$ scattering at low x and a determination of $\alpha(s)$ ”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **21**, 33 (2001) [arXiv:hep-ex/0012053]
172. **“Searches at HERA for squarks in R-parity violating supersymmetry”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **20**, 639 (2001) [arXiv:hep-ex/0102050]
173. **“Photoproduction with a leading proton at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Nucl. Phys. B **619**, 3 (2001) [arXiv:hep-ex/0106070]
174. **“Three-jet production in deep-inelastic scattering at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Phys. Lett. B **515**, 17 (2001) [arXiv:hep-ex/0106078]
175. **“A search for leptoquark bosons in $e^- p$ collisions at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Phys. Lett. B **523**, 234 (2001) [arXiv:hep-ex/0107038]
176. **“Measurement of deeply virtual Compton scattering at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Phys. Lett. B **517**, 47 (2001) [arXiv:hep-ex/0107005]
177. **“Compact frontend-electronics and bidirectional 3.3-Gbps optical datalink for fast proportional chamber readout”**
S. Luders *et al.*
Nucl. Instrum. Meth. A **484**, 515 (2002) [arXiv:hep-ex/0107064]
178. **“Measurement of D^{*+} meson production and $F_2(c)$ in deep inelastic scattering at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Phys. Lett. B **528**, 199 (2002) [arXiv:hep-ex/0108039]
179. **“ D^{*+} meson production in deep-inelastic diffractive interactions at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Phys. Lett. B **520**, 191 (2001) [arXiv:hep-ex/0108047]
180. **“On the rise of the proton structure function F_2 towards low x ”**
C. Adloff *et al.* [H1 Collaboration]
Phys. Lett. B **520**, 183 (2001) [arXiv:hep-ex/0108035]
181. **“Search for excited neutrinos at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Phys. Lett. B **525**, 9 (2002) [arXiv:hep-ex/0110037]
182. **“Measurement of dijet electroproduction at small jet separation”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **24**, 33 (2002) [arXiv:hep-ex/0111006]

183. **“A purity monitoring system for the H1 liquid argon calorimeter”**
 E. Barrelet *et al.* [H1 Calorimeter Group]
 Nucl. Instrum. Meth. A **490**, 204 (2002) [arXiv:hep-ex/0111066]
184. **“LHCb online system technical design report: Data acquisition and experiment control”**
 P. R. Barbosa-Marinho *et al.* [LHCb Collaboration]
 CERN-LHCC-2001-040
185. **“Status of the LHCb experiment”**
 U. D. Straumann
 AIP Conf. Proc. **618**, 422 (2002)
Prepared for 9th International Symposium on Heavy Flavor Physics, Pasadena, California, 10-13 Sep 2001
186. **“Measurement of dijet cross sections in photoproduction at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Eur. Phys. J. C **25**, 13 (2002) [arXiv:hep-ex/0201006]
187. **“Energy flow and rapidity gaps between jets in photoproduction at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Eur. Phys. J. C **24**, 517 (2002) [arXiv:hep-ex/0203011]
188. **“A measurement of the t dependence of the helicity structure of diffractive rho meson electro-production at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Phys. Lett. B **539**, 25 (2002) [arXiv:hep-ex/0203022]
189. **“Studies of aging and HV break down problems during development and operation of MSGC and GEM detectors for the inner tracking system of HERA-B”**
 Y. Bagaturia *et al.* [HERA-B Inner Tracker Collaboration]
 ICFA Instrum. Bull. **24**, 54 (2002) [arXiv:hep-ex/0204011]
190. **“Inelastic photoproduction of J/psi mesons at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Eur. Phys. J. C **25**, 25 (2002) [arXiv:hep-ex/0205064]
191. **“Inelastic lepton production of J/psi mesons at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Eur. Phys. J. C **25**, 41 (2002) [arXiv:hep-ex/0205065]
192. **“Search for QCD instanton-induced processes in deep-inelastic scattering at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Eur. Phys. J. C **25**, 495 (2002) [arXiv:hep-ex/0205078]
193. **“Measurement of the b anti-b production cross section in 920-GeV fixed-target proton nucleus collisions”**
 I. Abt *et al.* [HERA-B Collaboration]
 Eur. Phys. J. C **26**, 345 (2003) [arXiv:hep-ex/0205106]
194. **“Diffractive photoproduction of psi(2S) mesons at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Phys. Lett. B **541**, 251 (2002) [arXiv:hep-ex/0205107]
195. **“Measurement of inclusive jet cross-sections in deep-inelastic e p scattering at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Phys. Lett. B **542**, 193 (2002) [arXiv:hep-ex/0206029]
196. **“Search for odderon-induced contributions to exclusive pi0 photoproduction at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Phys. Lett. B **544**, 35 (2002) [arXiv:hep-ex/0206073]
197. **“Search for excited electrons at HERA”**
 C. Adloff *et al.* [H1 Collaboration]
 Phys. Lett. B **548**, 35 (2002) [arXiv:hep-ex/0207038]

198. **“J/psi production via chi/c decays in 920-GeV p A interactions”**
I. Abt *et al.* [HERA-B Collaboration]
Phys. Lett. B **561**, 61 (2003) [arXiv:hep-ex/0211033]
199. **“Inclusive V0 production cross sections from 920-GeV fixed target proton nucleus collisions”**
I. Abt *et al.* [HERA-B Collaboration]
Eur. Phys. J. C **29**, 181 (2003) [arXiv:hep-ex/0212040]
200. **“The CIP2k first-level trigger system at the H1 experiment at HERA”**
M. Urban, J. Becker, S. Schmitt and U. Straumann
IEEE Trans. Nucl. Sci. **50**, 903 (2003)
Prepared for IEEE 2002 Nuclear Science Symposium (NSS) and Medical Imaging Conference (MIC) and Symposium on Nuclear Power Systems, Norfolk, Virginia, 10-16 Nov 2002
201. **“A first level trigger subsystem CIP2k for the H1 experiment at HERA”**
J. Becker *et al.*
Nucl. Phys. Proc. Suppl. **125**, 277 (2003)
Prepared for 8th Topical Seminar on Innovative Particle and Radiation Detectors, Siena, Italy, 21-24 Oct 2002
202. **“Isolated electrons and muons in events with missing transverse momentum at HERA”**
V. Andreev *et al.* [H1 Collaboration]
Phys. Lett. B **561**, 241 (2003) [arXiv:hep-ex/0301030]
203. **“Measurement of inclusive jet cross sections in photoproduction at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **29**, 497 (2003) [arXiv:hep-ex/0302034]
204. **“Measurement and QCD analysis of neutral and charged current cross sections at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Eur. Phys. J. C **30**, 1 (2003) [arXiv:hep-ex/0304003]
205. **“Search for new physics in e+- q contact interactions at HERA”**
C. Adloff *et al.* [H1 Collaboration]
Phys. Lett. B **568**, 35 (2003) [arXiv:hep-ex/0305015]
206. **“Diffractive photoproduction of J/psi mesons with large momentum transfer at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Phys. Lett. B **568**, 205 (2003) [arXiv:hep-ex/0306013]
207. **“Multi-electron production at high transverse momenta in e p collisions at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Eur. Phys. J. C **31**, 17 (2003) [arXiv:hep-ex/0307015]
208. **“Inclusive dijet production at low Bjorken-x in deep inelastic scattering”**
A. Aktas *et al.* [H1 Collaboration]
Eur. Phys. J. C **33**, 477 (2004) [arXiv:hep-ex/0310019]
209. **“Search for single top quark production in e p collisions at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Eur. Phys. J. C **33**, 9 (2004) [arXiv:hep-ex/0310032]
210. **“Muon pair production in e p collisions at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Phys. Lett. B **583**, 28 (2004) [arXiv:hep-ex/0311015]
211. **“Measurement of dijet production at low Q**2 at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Eur. Phys. J. C **37**, 141 (2004) [arXiv:hep-ex/0401010]
212. **“Evidence for a narrow anti-charmed baryon state”**
A. Aktas *et al.* [H1 Collaboration]
Phys. Lett. B **588**, 17 (2004) [arXiv:hep-ex/0403017]
213. **“Search for squark production in R-parity violating supersymmetry at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Eur. Phys. J. C **36**, 425 (2004) [arXiv:hep-ex/0403027]

214. **“Measurement of anti-deuteron photoproduction and a search for heavy stable charged particles at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Eur. Phys. J. C **36**, 413 (2004) [arXiv:hep-ex/0403056]
215. **“Forward pi0 production and associated transverse energy flow in deep-inelastic scattering at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Eur. Phys. J. C **36**, 441 (2004) [arXiv:hep-ex/0404009]
216. **“Search for bosonic stop decays in R-parity violating supersymmetry in e+ p collisions at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Phys. Lett. B **599**, 159 (2004) [arXiv:hep-ex/0405070]
217. **“Measurement of the proton structure function F2 at low Q**2 in QED Compton scattering at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Phys. Lett. B **598**, 159 (2004) [arXiv:hep-ex/0406029]
218. **“Measurement of prompt photon cross sections in photoproduction at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Eur. Phys. J. C **38**, 437 (2005) [arXiv:hep-ex/0407018]
219. **“A general search for new phenomena in e p scattering at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Phys. Lett. B **602**, 14 (2004) [arXiv:hep-ex/0408044]
220. **“Inclusive production of D+, D0, D/s+ and D*+ mesons in deep inelastic scattering at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Eur. Phys. J. C **38**, 447 (2005) [arXiv:hep-ex/0408149]
221. **“Measurement of F2(c anti-c) and F2(b anti-b) at high Q**2 using the H1 vertex detector at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Eur. Phys. J. C **40**, 349 (2005) [arXiv:hep-ex/0411046]
222. **“The silicon tracker of the LHCb experiment”**
B. Adeva *et al.*
CERN-LHCB-2004-097
223. **“Search for light gravitinos in events with photons and missing transverse momentum at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Phys. Lett. B **616**, 31 (2005) [arXiv:hep-ex/0501030]
224. **“A direct search for stable magnetic monopoles produced in positron proton collisions at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Eur. Phys. J. C **41**, 133 (2005) [arXiv:hep-ex/0501039]
225. **“Measurement of dijet cross sections in e p interactions with a leading neutron at HERA”**
A. Aktas *et al.* [H1 Collaboration]
Eur. Phys. J. C **41**, 273 (2005) [arXiv:hep-ex/0501074]
226. **“The LHCb silicon tracker”**
B. Adeva *et al.*
Nucl. Instrum. Meth. A **546**, 76 (2005)
227. **“Measurement of beauty production at HERA using events with muons and jets”**
A. Aktas *et al.* [H1 Collaboration]
Eur. Phys. J. C **41**, 453 (2005) [arXiv:hep-ex/0502010]
228. **“Measurement of charm and beauty photoproduction at HERA using D* mu correlations”**
A. Aktas *et al.* [H1 Collaboration]
Phys. Lett. B **621**, 56 (2005) [arXiv:hep-ex/0503038]

229. **“Grounding, shielding and power distribution for the LHCb silicon tracking”**
C. Bauer, D. Esperante, R. Frei, U. Straumann, P. Vazquez and A. Vollhardt
CERN-LHCB-2004-101
230. **“Measurement of deeply virtual Compton scattering at HERA”**
A. Aktas *et al.* [H1 Collaboration]
arXiv:hep-ex/0505061
231. **“Noise considerations of the Beetle amplifier used with long silicon strip detectors”**
S. Kostner and U. Straumann
CERN-LHCB-2005-029
232. **“Search for leptoquark bosons in e p collisions at HERA”**
A. Aktas *et al.* [H1 Collaboration]
arXiv:hep-ex/0506044
233. **“A radiation tolerant fiber-optic readout system for the LHCb silicon tracker”**
M. Agari *et al.*
CERN-LHCB-2005-032
Prepared for 10th European Symposium on Semiconductor Detectors: New Developments in Radiation Detectors, Wildbad Kreuth, Germany, 12-16 Jun 2005
234. **“A determination of electroweak parameters at HERA”**
A. Aktas *et al.* [H1 Collaboration]
arXiv:hep-ex/0507080
235. **“Measurement of F2(c anti-c) and F2(b anti-b) at low Q**2 and x using the H1 vertex detector at HERA”**
A. Aktas *et al.* [H1 Collaboration]
arXiv:hep-ex/0507081
236. **“Silicon sensor probing and radiation studies for the LHCb silicon tracker”**
B. Adeva *et al.*
CERN-LHCB-2005-033
Prepared for 10th European Symposium on Semiconductor Detectors: New Developments in Radiation Detectors, Wildbad Kreuth, Germany, 12-16 Jun 2005
237. **“Forward jet production in deep inelastic scattering at HERA”**
A. Aktas *et al.* [H1 Collaboration]
arXiv:hep-ex/0508055