

## PUBLICATIONS<sup>1</sup>

### I. Publications in journals

1. Constraining dark matter models from a combined analysis of Milky Way satellites with the Fermi-LAT Fermi LAT Collaboration to be published in Physical Review Letters (2011) arXiv e-print (arXiv:1108.3546)
2. Constraints on dark matter models from a Fermi LAT search for high-energy cosmic-ray electrons from the Sun. Fermi LAT Collaboration Published in Phys.Rev. D84 (2011) 032007 e-Print: arXiv:1107.4272 [astro-ph.HE]
3. Discovery of High-energy Gamma-ray Emission from the Binary System PSR B1259-63/LS 2883 around Periastron with Fermi Fermi LAT Collaboration Published in Astrophysical Journal Letters 736 (2011)L11 arXiv e-print: arXiv:1103.4108
4. Fermi-LAT Observations of Two Gamma-Ray Emission Components from the Quiescent Sun. Published in Astrophys.J. 734 (2011) 116 e-Print: arXiv:1104.2093 [astro-ph.HE]
5. Observations of the Young Supernova Remnant RX J1713.7-3946 with the Fermi Large Area Telescope Fermi LAT Collaboration Published in Astrophysical J.(2011)28. arXiv e-print (arXiv:1103.5727)
6. Fermi Gamma-ray Space Telescope Observations of the Gamma-ray Outburst from 3C454.3 in November 2010 Fermi LAT Collaboration Published in Astrophysical Journal Letters 733(2011)L26
7. Detection of a spectral break in the extra hard component of GRB 090926A. the Fermi LAT Collaboration Published in Astrophys.J. 729 (2011) 114 e-Print: arXiv:1101.2082 [astro-ph.HE]

---

<sup>1</sup>Note: High Energy Physics experiments are often large collaborative efforts. Having played major roles in the design, construction, and operation of the experiment, I am listed as an author on all papers from the collaboration. The HEP publications marked with a † are those in which I played a more direct role in the writing and/or analysis. In the case of Fermi LAT papers, we have an opt-in policy that is more selective.

8. Gamma-ray Flares from the Crab Nebula The Fermi LAT Collaboration Published in Science 331 (2011) p739. e-Print: arXiv:1011.3855
9. Insights Into the High-Energy Gamma-ray Emission of Markarian 501 from Extensive Multi-frequency Observations in the Fermi Era. LAT and the MAGIC and the VERITAS Collaborations Published in Astrophys.J. 727 (2011) 129 e-Print: arXiv:1011.5260 [astro-ph.HE]
10. Fermi-LAT Search for Pulsar Wind Nebulae around Gamma-ray Pulsars. The Fermi LAT Collaboration Published in Astrophys.J. 726 (2011) 35 e-Print: arXiv:1011.2076 [astro-ph.HE]
11. Searches for Cosmic-Ray Electron Anisotropies with the Fermi Large Area Telescope. Fermi-LAT Collaboration Published in Phys.Rev. D82 (2010) 092003 e-Print: arXiv:1008.5119 [astro-ph.HE]
12. Gamma-Ray Emission Concurrent with the Nova in the Symbiotic Binary V407 Cygni. Published in Science 329 (2010) 817-821 e-Print: arXiv:1008.3912 [astro-ph.HE]
13. Fermi LAT observations of cosmic-ray electrons from 7 GeV to 1 TeV. Fermi LAT Collaboration Published in Phys.Rev. D82 (2010) 092004 e-Print: arXiv:1008.3999 [astro-ph.HE]
14. GeV Gamma-ray Flux Upper Limits from Clusters of Galaxies. Fermi-LAT Collaboration Published in Astrophysical Journal Letters 717 (2010) L71-L78 e-Print: arXiv:1006.0748 [astro-ph.HE]
15. Fermi Large Area Telescope First Source Catalog Fermi LAT Collaboration Published in Astrophysical Journal Supplement 188(2010) pp405-436. e-Print: arXiv:1002.2280
16. Fermi Observations of GRB 090510: A Short Hard Gamma-Ray Burst with an Additional, Hard Power-Law Component from 10 keV to GeV Energies. Fermi LAT and GBM Collaborations Published in Astrophys.J. 716 (2010) 1178-1190 e-Print: arXiv:1005.2141 [astro-ph.HE]
17. The Spectral Energy Distribution of Fermi Bright Blazars Fermi LAT Collaboration Published in Astrophys J.716(2010) 30-70 e-Print: arXiv:0912.2040
18. Fermi Gamma-Ray Imaging of a Radio Galaxy Fermi LAT Collaboration Published in Science 328 (2010) p725. e-Print: arXiv:1006.3986
19. Fermi Large Area Telescope Constraints on the Gamma-ray Opacity of the Universe. the Fermi LAT and GBM Collaborations Published in Astrophys.J. 723 (2010) 1082-1096 e-Print: arXiv:1005.0996 [astro-ph.HE]
20. Fermi Large Area Telescope observations of Local Group galaxies: detection of M 31 and search for M 33 Fermi LAT Collaboration Published in Astronomy & Astrophysics 523(2010)L2. arXiv e-print (arXiv:1012.1952)

21. Detection of the Small Magellanic Cloud in gamma-rays with Fermi/LAT Fermi LAT Collaboration Published in *Astronomy & Astrophysics* 523(2010)A46.
22. Gamma-ray Light Curves and Variability of Bright Fermi-detected Blazars Fermi LAT Collaboration Published in *Astrophysical J.* 722(2010)pp520-542. arXiv e-print (arXiv:1004.0348)
23. Fermi Large Area Telescope and Multi-wavelength Observations of the Flaring Activity of PKS 1510-089 between 2008 September and 2009 June Fermi LAT Collaboration Published in *Astrophysical J.* 721(2010)pp1425-1447 arXiv e-print (arXiv:1007.1237)
24. Fermi Gamma-ray Space Telescope Observations of Gamma-ray Outbursts from 3C 454.3 in 2009 December and 2010 April Fermi LAT Collaboration Published in *Astrophysical J.* 721(2010)pp1383-1396.
25. The Fermi-LAT High-Latitude Survey: Source Count Distributions and the Origin of the Extragalactic Diffuse Background Fermi LAT Collaboration Published in *Astrophysical J.* 720 (2010) pp435-453. arXiv e-print (arXiv:1003.0895)
26. The Spectrum of the Isotropic Diffuse Gamma-Ray Emission Derived From First-Year Fermi Large Area Telescope Data. The Fermi-LAT Collaboration Published in *Phys.Rev.Lett.* 104 (2010) 101101 e-Print: arXiv:1002.3603 [astro-ph.HE]
27. The First Catalog of Active Galactic Nuclei Detected by the Fermi Large Area Telescope Fermi LAT Collaboration Published in *Astrophys. J.*715(2010)pp429-457. e-Print: arXiv:1002.0150
28. Constraints on Dark Matter Annihilation in Clusters of Galaxies with the Fermi Large Area Telescope. Published in *JCAP* 1005 (2010) 025 e-Print: arXiv:1002.2239 [astro-ph.CO]
29. Fermi LAT Search for Photon Lines from 30 to 200 GeV and Dark Matter Implications. Published in *Phys.Rev.Lett.* 104 (2010) 091302 e-Print: arXiv:1001.4836 [astro-ph.HE]
30. Observations of Milky Way Dwarf Spheroidal galaxies with the Fermi-LAT detector and constraints on Dark Matter models. Published in *Astrophys.J.* 712 (2010) 147-158 e-Print: arXiv:1001.4531 [astro-ph.CO]
31. Fermi Large Area Telescope Measurements of the Diffuse Gamma-Ray Emission at Intermediate Galactic Latitudes. Fermi LAT Collaboration Published in *Phys.Rev.Lett.* 103 (2009) 251101 e-Print: arXiv:0912.0973 [astro-ph.HE]
32. Fermi Observations of the Very Hard Gamma-ray Blazar PG 1553+113. Fermi-LAT Collaboration Published in *Astrophys.J.* 708 (2010) 1310-1320 e-Print: arXiv:0911.4252 [astro-ph.HE]

33. Fermi Large Area Telescope Observations of the Crab Pulsar and Nebula. The Fermi LAT, the Fermi Pulsar Timing Consortium Collaboration Published in *Astrophys.J.* 708 (2010) 1254-1267 e-Print: arXiv:0911.2412 [astro-ph.HE]
34. Fermi LAT Observations of LS 5039. Fermi LAT Collaboration Published in *Astrophys.J.* 706 (2009) L56-L61 e-Print: arXiv:0910.5520 [astro-ph.HE]
35. Fermi observations of TeV-selected AGN. Fermi LAT Collaboration Published in *Astrophys.J.* 707 (2009) 1310-1333 e-Print: arXiv:0910.4881 [astro-ph.HE]
36. Fermi observations of high-energy gamma-ray emission from GRB 080825C. Fermi GBM/LAT Collaboration Published in *Astrophys.J.* 707 (2009) 580-592 e-Print: arXiv:0910.4192 [astro-ph.HE]
37. Fermi Large Area Telescope Gamma-Ray Detection of the Radio Galaxy M87. Fermi LAT Collaboration Published in *Astrophys.J.* 707 (2009) 55-60 e-Print: arXiv:0910.3565 [astro-ph.HE]
38. The First Fermi Large Area Telescope Catalog of Gamma-ray Pulsars. Fermi LAT Collaboration Published in *Astrophys.J.Suppl.* 187 (2010) 460-494 e-Print: arXiv:0910.1608 [astro-ph.HE]
39. Fermi-LAT Discovery of Extended Gamma-ray Emission in the Direction of Supernova Remnant W51C. Fermi LAT Collaboration Published in *Astrophys.J.* 706 (2009) L1-L6 e-Print: arXiv:0910.0908 [astro-ph.HE]
40. Fermi Observations of GRB 090902B: A Distinct Spectral Component in the Prompt and Delayed Emission. The Fermi/GBM and The Fermi/LAT and The Swift Team Collaborations Published in *Astrophys.J.* 706 (2009) L138-L144 e-Print: arXiv:0909.2470 [astro-ph.HE]
41. A limit on the variation of the speed of light arising from quantum gravity effects. Fermi GBM/LAT Collaboration Published in *Nature* 462 (2009) 331-334 e-Print: arXiv:0908.1832 [astro-ph.HE]
42. Fermi LAT Observation of Diffuse Gamma-Rays Produced Through Interactions between Local Interstellar Matter and High Energy Cosmic Rays. Fermi LAT Collaboration Published in *Astrophys.J.* 703 (2009) 1249-1256 e-Print: arXiv:0908.1171 [astro-ph.HE]
43. A Population of Gamma-Ray Millisecond Pulsars Seen with the Fermi Large Area Telescope Fermi LAT Collaboration Published in *Science* 325 (2009) p848.
44. Detection of High-Energy Gamma-Ray Emission from the Globular Cluster 47 Tucanae with Fermi Fermi LAT Collaboration Published in *Science* 325 (2009) p845.

45. Detection of 16 Gamma-Ray Pulsars Through Blind Frequency Searches Using the Fermi LAT  
Fermi LAT Collaboration Published in *Science* 325 (2009) p840. e-Print: arXiv:1009.0748
46. Fermi LAT Observations of LS I +61 303: First detection of an orbital modulation in GeV  
Gamma Rays. Fermi LAT Collaboration Published in *Astrophys.J.* 701 (2009) L123-L128  
e-Print: arXiv:0907.4307 [astro-ph.HE]
47. Discovery of Pulsations from the Pulsar J0205+6449 in SNR 3C 58 with the Fermi Gamma-  
Ray Space Telescope. Fermi LAT, Fermi Pulsar Timing Consortium Collaboration Published  
in *Astrophys.J.* 699 (2009) L102-L107 e-Print: arXiv:0906.1217 [astro-ph.HE]
48. Fermi/LAT discovery of gamma-ray emission from a relativistic jet in the narrow-line quasar  
PMN J0948+0022. LAT Collaboration Published in *Astrophys.J.* 699 (2009) 976-984 e-Print:  
arXiv:0905.4558 [astro-ph.HE]
49. Pulsed Gamma-rays from PSR J2021+3651 with the Fermi Large Area Telescope. LAT Col-  
laboration Published in *Astrophys.J.* 700 (2009) 1059-1066 e-Print: arXiv:0905.4400 [astro-  
ph.HE]
50. Measurement of the Cosmic Ray e+ plus e- spectrum from 20 GeV to 1 TeV with the Fermi  
Large Area Telescope. The Fermi LAT Collaboration Published in *Phys.Rev.Lett.* 102 (2009)  
181101 e-Print: arXiv:0905.0025 [astro-ph.HE]
51. Pulsed Gamma-rays from the millisecond pulsar J0030+0451 with the Fermi Large Area  
Telescope. The Fermi LAT Collaboration Published in *Astrophys.J.* 699 (2009) 1171-1177  
e-Print: arXiv:0904.4377 [astro-ph.HE]
52. Early Fermi Gamma-ray Space Telescope Observations of the Quasar 3C 454.3. The Fermi  
LAT Collaboration Published in *Astrophys.J.* 699 (2009) 817-823 e-Print: arXiv:0904.4280  
[astro-ph.HE]
53. The On-orbit Calibrations for the Fermi Large Area Telescope. The Fermi LAT Collaboration  
Published in *Astropart.Phys.* 32 (2009) 193-219 e-Print: arXiv:0904.2226 [astro-ph.IM]
54. Fermi Discovery of Gamma-Ray Emission from NGC 1275. LAT Collaboration Published in  
*Astrophys.J.* 699 (2009) 31-39 e-Print: arXiv:0904.1904 [astro-ph.HE]
55. Fermi Observations of High-Energy Gamma-Ray Emission from GRB 080916C. Fermi LAT  
and Fermi GBM Collaboration Published in *Science* 323 (2009) 1688-1693
56. Simultaneous observations of PKS 2155-304 with H.E.S.S., Fermi, RXTE and ATOM: spectral  
energy distributions and variability in a low state. HESS and Fermi-LAT Collaborations  
Published in *Astrophys.J.* 696 (2009) L150-L155 e-Print: arXiv:0903.2924 [astro-ph.HE]

57. Fermi/LAT discovery of gamma-ray emission from the flat-spectrum radio quasar PKS 1454-354. Fermi-LAT Collaboration Published in *Astrophys.J.* 697 (2009) 934-941 e-Print: arXiv:0903.1713 [astro-ph.HE]
58. Discovery of Pulsed Gamma Rays from the Young Radio Pulsar PSR J1028-5819 with the Fermi Large Area Telescope. Fermi-LAT Collaboration Published in *Astrophys.J.* 695 (2009) L72-L77 e-Print: arXiv:0903.1602 [astro-ph.HE]
59. Bright AGN Source List from the First Three Months of the Fermi Large Area Telescope All-Sky Survey. Fermi LAT Collaboration Published in *Astrophys.J.* 700 (2009) 597-622 e-Print: arXiv:0902.1559 [astro-ph.HE]
60. Fermi Large Area Telescope Bright Gamma-ray Source List. Fermi LAT Collaboration Published in *Astrophys.J.Suppl.* 183 (2009) 46-66 e-Print: arXiv:0902.1340 [astro-ph.HE]
61. The Large Area Telescope on the Fermi Gamma-ray Space Telescope Mission. LAT Collaboration Published in *Astrophys.J.* 697 (2009) 1071-1102 e-Print: arXiv:0902.1089 [astro-ph.IM]
62. Fermi LAT Observations of the Vela Pulsar. Fermi LAT Collaboration Published in *Astrophys.J.* 696 (2009) 1084-1093 e-Print: arXiv:0812.2960 [astro-ph]
63. The Fermi Gamma Ray Space Telescope discovers the Pulsar in the Young Galactic Supernova-Remnant CTA 1. The Fermi LAT Collaboration. Published in *Science* 322 (2008) 1218-1221 e-Print: arXiv:0810.3562 [astro-ph]
64. Detecting the Attenuation of Blazar Gamma-ray Emission by Extragalactic Background Light with GLAST. By A. Chen, L.C. Reyes, and S. Ritz. Published in *Astrophysical Journal*, 608:686, 2004.
65. Evidence for Postquiescent, High-Energy Emission from Gamma-Ray Burst 990104. By D.N. Wren, D.L. Bertsch, and S. Ritz. Published in *Astrophysical Journal Letters*, 574, L47-L50, 2002.
66. Results from the beam test of the engineering model of the GLAST Large Area Telescope. By GLAST Collaboration (E. do Couto e Silva et al.), Published in *NIM A*474:19,2001.
67. Beam test of gamma ray large area space telescope components. By W.B.Atwood, S. Ritz, et. al. Published in *Nucl.Instrum.Meth.A*446:444-460,2000.

68. Measurement of three jet distributions in photoproduction at HERA. By ZEUS Collaboration (J. Breitweg et al.). Oct 1998. Published in Phys.Lett.B443:394-408,1998
69. ZEUS results on the measurement and phenomenology of  $F(2)$  at low  $x$  and low  $Q^{*2}$ . By ZEUS Collaboration (J. Breitweg et al.). Sep 1998. Published in Eur.Phys.J.C7:609-630,1999
70. Exclusive electroproduction of  $\rho^0$  and  $J/\psi$  mesons at HERA. By ZEUS Collaboration (J. Breitweg et al.). Aug 1998. Published in Eur.Phys.J.C6:603-627,1999
71. Measurement of elastic Upsilon photoproduction at HERA. By ZEUS Collaboration (J. Breitweg et al.). Jul 1998. Published in Phys.Lett.B437:432-444,1998
72. Measurement of the diffractive cross-section in deep inelastic scattering using ZEUS 1994 data. By ZEUS Collaboration (J. Breitweg et al.). Jul 1998. Published in Eur.Phys.J.C6:43-66,1999
73. Measurement of inclusive  $D^{*+}$  and associated dijet cross-sections in photoproduction at HERA. By ZEUS Collaboration (J. Breitweg et al.). Jul 1998. Published in Eur.Phys.J.C6:67-83,1999
74. Search for selectron and squark production in  $e^+p$  collisions at HERA. By ZEUS Collaboration (J. Breitweg et al.). Jun 1998. Published in Phys.Lett.B434:214-230,1998
75. Forward jet production in deep inelastic scattering at HERA. By ZEUS Collaboration (J. Breitweg et al.). May 1998. Published in Eur.Phys.J.C6:239-252,1999
76. Diffractive dijet cross-sections in photoproduction at HERA. By ZEUS Collaboration (J. Breitweg et al.). Apr 1998. Published in Eur.Phys.J.C5:41-56,1998
77. High  $E(T)$  inclusive jet cross-sections in photoproduction at HERA. By ZEUS Collaboration (J. Breitweg et al.). Feb 1998. Published in Eur.Phys.J.C4:591-606,1998
78. Measurement of the  $t$  distribution in diffractive photoproduction at HERA. By ZEUS Collaboration (J. Breitweg et al.). Nov 1997. Published in Eur.Phys.J.C2:237-246,1998
79. Elastic and proton dissociative  $\rho^0$  photoproduction at HERA. By ZEUS Collaboration (J. Breitweg et al.). Dec 1997. Published in Eur.Phys.J.C2:247-267,1998
80. Charged particles and neutral kaons in photoproduced jets at HERA. By ZEUS Collaboration (J. Breitweg et al.). Nov 1997. Published in Eur.Phys.J.C2:77-93,1998
81. Event shape analysis of deep inelastic scattering events with a large rapidity gap at HERA. By ZEUS Collaboration (J. Breitweg et al.). Oct 1997. Published in Phys.Lett.B421:368-384,1998

82. Dijet cross-sections in photoproduction at HERA. By ZEUS Collaboration (J. Breitweg et al.). Oct 1997. Published in Eur.Phys.J.C1:109-122,1998
83. Observation of scaling violations in scaled momentum distributions at HERA. By ZEUS Collaboration (J. Breitweg et al.). Sep 1997. Published in Phys.Lett.B414:428-443,1997
84. Measurement of jet shapes in photoproduction at HERA. By ZEUS Collaboration (J. Breitweg et al.). Oct 1997. Published in Eur.Phys.J.C2:61-75,1998
85. Measurement of the diffractive structure function  $F_2(D(4))$  at HERA. By ZEUS Collaboration (J. Breitweg et al.). Sep 1997. Published in Eur.Phys.J.C1:81-96,1998
86. †The small angle rear tracking detector of ZEUS. By ZEUS SRTD Group (A. Bamberger et al.), Aug 1997. Published in Nucl. Instrum. Meth.A401(1997)63.
87. Observation of isolated high  $E(t)$  photons in photoproduction at HERA. By ZEUS Collaboration (J. Breitweg et al.), Jul 1997. Published in Phys. Lett. B413(1997)201.
88. Measurement of inelastic J/Psi photoproduction at HERA. By ZEUS Collaboration (J. Breitweg et al.), Aug 1997. Published in Z. Phys. C76(1997)599.
89. †Measurement of the proton structure function  $F_2$  and  $\sigma\text{-tot}(\gamma^* p)$  at low  $Q^{*2}$  and very low  $x$  at HERA. By ZEUS Collaboration (J. Breitweg et al.), Jul 1997. Published in Phys. Lett. B407(1997)432.
90. A search for excited fermions in  $e^+ p$  collisions at HERA. By ZEUS Collaboration (J. Breitweg et al.), Jun 1997. Published in Z. Phys. C76(1997)631.
91.  $D^*$  production in deep inelastic scattering at HERA. By ZEUS Collaboration (J. Breitweg et al.). DESY-97-089, May 1997. Published in Phys. Lett. B407(1997)402.
92. Measurement of elastic J/Psi photoproduction at HERA. By ZEUS Collaboration (J. Breitweg et al.). Apr 1997. Published in Z. Phys. C75:215-228,1997.
93. Study of photon dissociation in diffractive photoproduction at HERA. By ZEUS Collaboration (J. Breitweg et al.). Apr 1997. Published in Z. Phys. C75:421-435,1997.
94. Differential cross-sections of  $D^{*+}$  photoproduction in  $e p$  collisions at HERA. By ZEUS Collaboration (J. Breitweg et al.). Feb 1997. Published in Phys. Lett. B401:192-206,1997.
95. Comparison of ZEUS data with standard model predictions for  $e^+ p \rightarrow e^+ x$  scattering at high  $x$  and  $Q^{*2}$ . By ZEUS Collaboration (J. Breitweg et al.). Feb 1997. Published in Z. Phys. C74:207-220,1997.



96. Study of elastic  $\rho_0$  photoproduction at HERA using the ZEUS leading proton spectrometer. By ZEUS Collaboration (M. Derrick et al.). Aug 1996. Published in *Z. Phys.* C73:253-268,1997.
97. †Search for lepton flavor violation in  $e p$  collisions at 300-GeV center-of-mass energy. By ZEUS Collaboration (M. Derrick et al.). Aug 1996. Published in *Z. Phys.* C73:613-628,1997.
98. Measurement of elastic  $\omega$  photoproduction at HERA. By ZEUS Collaboration (M. Derrick et al.). Aug 1996. Published in *Z. Phys.* C73:73-84,1996.
99. Measurement of the F2 structure function in deep inelastic  $e^+ p$  scattering using 1994 data from the ZEUS detector at HERA. By ZEUS Collaboration (M. Derrick et al.). Jul 1996. Published in *Z. Phys.* C72:399-424,1996.
100. Study of charged current  $e p$  interactions at  $Q^{*2} > 200 \text{ Gev}^{*2}$  with the ZEUS detector at HERA. By ZEUS Collaboration (M. Derrick et al.). Jun 1996. Published in *Z. Phys.* C72:47-64,1996.
101. Observation of events with an energetic forward neutron in deep inelastic scattering at HERA. By ZEUS Collaboration (M. Derrick et al.). May 1996. Published in *Phys. Lett.* B384:388-400,1996.
102. Dijet angular distributions in direct and resolved photoproduction at HERA. By ZEUS Collaboration (M. Derrick et al.). May 1996. Published in *Phys. Lett.* B384:401-413,1996.
103. Measurement of the reaction  $\gamma^* p \rightarrow \rho^0 p$  in deep inelastic  $e^+ p$  scattering at HERA. By ZEUS Collaboration (M. Derrick et al.). Apr 1996. Published in *Phys. Lett.* B380:220-234,1996.
104. Measurement of the diffractive cross-section in deep inelastic scattering. By ZEUS Collaboration (M. Derrick et al.). Feb 1996. Published in *Z. Phys.* C70:391-412,1996.
105. Measurement of elastic  $\phi$  photoproduction at HERA. By ZEUS Collaboration (M. Derrick et al.). Jan 1996. Published in *Phys. Lett.* B377:259-272,1996.
106. Inclusive charged particle distributions in deep inelastic scattering events at HERA. By ZEUS Collaboration (M. Derrick et al.). Nov 1995. Published in *Z. Phys.* C70:1-16,1996.
107. †Rapidity gaps between jets in photoproduction at HERA. By ZEUS Collaboration (M. Derrick et al.). Oct 1995. Published in *Phys. Lett.* B369:55-68,1996.
108. Measurement of the proton structure function F2 at low  $x$  and low  $Q^{*2}$  at HERA. By ZEUS Collaboration (M. Derrick et al.). Oct 1995. Published in *Z. Phys.* C69:607-620,1996.

109. Measurement of  $\alpha_s$  from jet rates in deep inelastic scattering at HERA. By ZEUS Collaboration (M. Derrick et al.). Oct 1995. Published in Phys. Lett. B363:201-216,1995.
110. Exclusive  $\rho^0$  production in deep inelastic electron - proton scattering at HERA. By ZEUS Collaboration (M. Derrick et al.). Jul 1995. Published in Phys. Lett. B356:601-616,1995.
111. Diffractive hard photoproduction at HERA and evidence for the gluon content of the pomeron. By ZEUS Collaboration (M. Derrick et al.). Jun 1995. Published in Phys. Lett. B356:129-146,1995.
112. Measurement of the diffractive structure function in deep elastic scattering at HERA. By ZEUS Collaboration (M. Derrick et al.). May 1995. Published in Z. Phys. C68:569-584,1995.
113. Neutral strange particle production in deep inelastic scattering at HERA. By ZEUS Collaboration (M. Derrick et al.). Apr 1995. Published in Z. Phys. C68:29-42,1995.
114. Measurement of charged and neutral current  $e-p$  deep inelastic scattering cross-sections at high  $Q^2$ . By ZEUS Collaboration (M. Derrick et al.). Mar 1995. Published in Phys. Rev. Lett.75:1006-1011,1995.
115. Measurement of the cross-section for the reaction  $\gamma p \rightarrow J/\psi p$  with the ZEUS detector at HERA. By ZEUS Collaboration (M. Derrick et al.). Mar 1995. Published in Phys. Lett. B350:120-134,1995.
116. Dijet cross-sections in photoproduction at HERA. By ZEUS Collaboration (M. Derrick et al.). Feb 1995. Published in Phys. Lett. B348:665-680,1995.
117. Jet production in high  $Q^2$  deep inelastic  $e-p$  scattering at HERA. By ZEUS Collaboration (M. Derrick et al.). Feb 1995. Published in Z. Phys. C67:81-92,1995.
118. Study of  $D^{*+}$  ( $2100$ ) production in  $e-p$  collisions at HERA. By ZEUS Collaboration (M. Derrick et al.). Feb 1995. Published in Phys. Lett. B349:225-237,1995.
119. Measurement of multiplicity and momentum spectra in the current fragmentation region of the Breit frame at HERA. By ZEUS Collaboration (M. Derrick et al.). Jan 1995. Published in Z. Phys. C67:93-108,1995.
120. Study of the photon remnant in resolved photoproduction at HERA. By ZEUS Collaboration. (M. Derrick et al.). Apr 1995. Published in Phys. Lett. B354:163-177,1995.
121. Inclusive transverse momentum distributions of charged particles in diffractive and nondiffractive photoproduction at HERA. By ZEUS Collaboration. (M. Derrick et al.). Mar 1995. Published in Z. Phys. C67:227-238,1995.

122. Observation of hard scattering in photoproduction events with a large rapidity gap at HERA. By ZEUS Collaboration (M. Derrick et al.). Nov 1994. Published in Phys. Lett. B346:399-414,1995.
123. Extraction of the gluon density of the proton at small x. By ZEUS Collaboration (M. Derrick et al.). Oct 1994. Published in Phys. Lett. B345:576-588,1995.
124. Inclusive jet differential cross-sections in photoproduction at HERA. By ZEUS Collaboration (M. Derrick et al.). Oct 1994. Published in Phys. Lett. B342:417-432,1995.
125. A Search for excited fermions in electron - proton collisions at HERA. By ZEUS Collaboration (M. Derrick et al.). Oct 1994. Published in Z. Phys. C65:627-648,1995.
126. Measurement of the proton structure function F2 from the 1993 HERA data. By ZEUS Collaboration (M. Derrick et al.). Aug 1994. Published in Z. Phys. C65:379-398,1995.
127. Comparison of energy flows in deep inelastic scattering events with and without a large rapidity gap. By ZEUS Collaboration (M. Derrick et al.). Jul 1994. Published in Phys. Lett. B338:483-496,1994.
128. Observation of jet production in deep inelastic scattering with a large rapidity gap at HERA. By ZEUS Collaboration (M. Derrick et al.). Apr 1994. Published in Phys. Lett. B332:228-243,1994.
129. Measurement of total and partial photon proton cross-sections at 180-GeV center-of-mass energy. By ZEUS Collaboration (M. Derrick et al.). Mar 1994. Published in Z. Phys. C63:391-408,1994.
130. Observation of direct processes in photoproduction at HERA. By ZEUS Collaboration (M. Derrick et al.). Nov 1993. Published in Phys. Lett. B322:287-300,1994.
131. Measurement of the proton structure function F2 in e p scattering at HERA. By ZEUS Collaboration (M. Derrick et al.). Aug 1993. Published in Phys. Lett. B316:412-426, 1993.
132. Observation of events with a large rapidity gap in deep inelastic scattering at HERA. By ZEUS Collaboration (M. Derrick et al.). Jul 1993. Published in Phys. Lett. B315:481-493,1993.
133. †Beam tests of the ZEUS barrel calorimeter. By ZEUS Barrel Calorimeter Group (A. Bernstein et al.). Jun 1993. Published in Nucl. Instrum. Meth. A336:23-52,1993.
134. †Design and implementation of a high precision readout system for the ZEUS calorimeter. By A. Caldwell et al. 1992. Nucl. Instrum. Meth. A321 (1992) 356-364.

135. Search for excited electrons using the ZEUS detector. By ZEUS Collaboration (M. Derrick et al.). Jun 1993. Published in Phys. Lett. B316:207-218,1993.
136. Hadronic energy distributions in deep inelastic electron - proton scattering. By ZEUS Collaboration (M. Derrick et al.). May 1993. Published in Z. Phys. C59:231-242,1993.
137. Observation of two jet production in deep inelastic scattering at HERA. By ZEUS Collaboration (M. Derrick et al.). Mar 1993. Published in Phys. Lett. B306:158-172, 1993.
138. †Search for leptoquarks with the ZEUS detector. By ZEUS Collaboration (M. Derrick et al.). Mar 1993. Published in Phys. Lett. B306:173-186,1993.
139. Initial study of deep inelastic scattering with ZEUS at HERA. By ZEUS Collaboration (M. Derrick et al.). Dec 1992. Published in Phys. Lett. B303:183-197,1993.
140. Observation of hard scattering in photoproduction at HERA. By ZEUS Collaboration (M. Derrick et al.). Oct 1992. Published in Phys. Lett. B297:404-416,1992.
141. A Measurement of  $\sigma(t)$  ( $\gamma p$ ) at  $s^{*(1/2)} = 210$ -GeV. By ZEUS Collaboration (M. Derrick et al.). Sep 1992. Published in Phys. Lett. B293:465-477,1992.
142. †Construction and beam test of the ZEUS forward and rear calorimeter. By ZEUS Calorimeter Group and ZEUS Collaboration (A. Andresen et al.). Apr 1991. Published in Nucl. Instrum. Meth. A309:101-142,1991.
143. Measurement of the asymmetry of b quark production in  $e^+ e^-$  annihilation at  $s^{*(1/2)} = 35$ -GeV. By TASSO Collaboration (W. Braunschweig et al.). May 1990. Published in Z. Phys. C48:433-444,1990.
144. ALEPH: A detector for electron - positron annihilations at LEP. By ALEPH Collaboration (D. Decamp et al.). Feb 1990. Published in Nucl. Instrum. Meth. A294:121-178,1990, ERRATUM-ibid. A303:393,1991.
145. Global jet properties at 14-GeV to 44-GeV center of mass energy in  $e^+ e^-$  annihilation. By TASSO Collaboration (W. Braunschweig et al.). Feb 1990. Published in Z. Phys. C47:187-198,1990.
146. Production of charmed mesons in  $\gamma \gamma$  interactions. By TASSO Collaboration (W. Braunschweig et al.). Feb 1990. Published in Z. Phys. C47:499-504,1990.
147. Strange meson production in  $e^+ e^-$  annihilation. By TASSO Collaboration (W. Braunschweig et al.). Nov 1989. Published in Z. Phys. C47:167-180,1990.

148. Search for the neutral Higgs boson from Z0 decay. By ALEPH Collaboration (D. Decamp et al.). Dec 1989. Published in Phys. Lett. B236:233, 1990.
149. Experimental study of the orientation of three jet events in e+ e- annihilation at PETRA. By TASSO Collaboration (W. Braunschweig et al.). Oct 1989. Published in Z. Phys. C47:181-186,1990.
150. Study of intermittency in electron - positron annihilation into hadrons. By TASSO Collaboration (W. Braunschweig et al.). Jul 1989. Published in Phys. Lett. B231:548,1989.
151. Experimental study of jet masses in e+ e- annihilation at c.m. energies between 12-GeV and 43.5-GeV. By TASSO Collaboration (W. Braunschweig et al.). Jun 1989. Published in Z. Phys. C45:11,1989.
152. Production and decay of charmed mesons in e+ e- annihilation at  $s^{*(1/2)} > 28$ -GeV. By TASSO Collaboration (W. Braunschweig et al.). May 1989. Published in Z. Phys. C44:365,1989.
153. A measurement of electroweak effects in the reaction e+ e-  $\rightarrow$  tau+ tau- at 35-GeV AND 42.4-GeV. By TASSO Collaboration (W. Braunschweig et al.). Mar 1989. Published in Z. Phys. C43:549,1989.
154. Charged multiplicity distributions and correlations in e+ e- annihilation at PETRA energies. By TASSO Collaboration (W. Braunschweig et al.). Mar 1989. Published in Z. Phys. C45:193, 1989.
155. Comparison of inclusive fractional momentum distributions of quark and gluon jets produced in e+ e- annihilation. By TASSO Collaboration (W. Braunschweig et al.). Mar 1989. Published in Z. Phys. C45:1,1989.
156. Pion, kaon and proton cross-sections in e+ e- annihilation at 34-GeV and 44-GeV cm energy. By TASSO Collaboration (W. Braunschweig et al.). Nov 1988. Published in Z. Phys. C42:189, 1989.
157. Measurement of the average lifetime of b hadrons. By TASSO Collaboration (W. Braunschweig et al.). Nov 1988. Published in Z. Phys. C44:1,1989.
158. Strange baryon production in e+ e- annihilation. By TASSO Collaboration (W. Braunschweig et al.). Nov 1988. Published in Z. Phys. C45:209,1989.
159. Jet fragmentation and QCD models in e+ e- annihilation at c.m. energies between 12-GeV AND 41.5-GeV. By TASSO Collaboration (W. Braunschweig et al.). Aug 1988. Z. PHYS. C41 (1988) 359-373.

160. Evidence for direct photons from quarks in electron - positron annihilation. By TASSO Collaboration (W. Braunschweig et al.). Jul 1988. Published in Z. Phys. C41:385,1988.
161. Study of eta(c) production in two photon collisions. By TASSO Collaboration (W. Braunschweig et al.). May 1988. Published in Z. Phys. C41:533,1989.
162. A measurement of muon pair production in e+ e- annihilation at center-of-mass energies 35-GeV  $\leq s^{1/2} \leq$  46.8-GeV. By TASSO Collaboration (W. Braunschweig et al.). May 1988. Published in Z.Phys.C40:163, 1988, ERRATUM- ibid. C42.1989.
163. Analysis of multi - jet final states in e+ e- annihilation. By TASSO Collaboration (W. Braunschweig et al.). Apr 1988. Published in Phys. Lett. B214:286,1988.
164. A measurement of the tau lifetime. By TASSO Collaboration (W. Braunschweig et al.). Mar 1988. Published in Z. Phys. C39:331,1988.
165. A study of jets from b quarks produced in e+ e- annihilations at  $S^{1/2} = 35\text{-GeV TO } 46\text{-GeV}$ . By TASSO Collaboration (W. Braunschweig et al.). Aug 1988. Published in Z. Phys. C42:17,1989.
166. A search for particles with magnetic charge produced in e+ e- annihilations at  $S^{1/2} = 35\text{-GeV}$ . By TASSO Collaboration (W. Braunschweig et al.). Jan 1988. Published in Z. Phys. C38:543,1988.
167. Measurement of the two photon reaction  $\gamma \gamma \rightarrow \pi^+ \pi^- \pi^+ \pi^-$  at large values of  $Q^2$ . By TASSO COLLABORATION (W. Braunschweig et al.). Jul 1988. Published in Z. PHYS. C41:353, 1988.
168. A study of bhabha scattering at PETRA energies. By TASSO Collaboration (W. Braunschweig et al.). Sep 1987. Published in Z. Phys. C37:171, 1988.
169. †Cosmic ray constraints on the annihilations of relic particles in the galactic halo. By John Ellis, R.A. Flores, K. Freese, S. Ritz, D. Seckel, Joseph Silk. May 1988. Published in Phys. Lett. B214:403,1988.
170. †Detailed neutrino spectra from cold dark matter annihilations in the sun. By S. Ritz, D. Seckel. Sep 1987. Published in Nucl. Phys. B304:877,1988.
171. †Implications for dark matter particles of searches for energetic solar neutrinos. By John Ellis, R.A. Flores, S. Ritz. Jul 1987. Published in Phys. Lett. 198B:393,1987.

172. A study of energy-energy correlations between 12-GeV and 46.8-GeV cm energies. By TASSO Collaboration (W. Braunschweig et al.). Jul 1987. Published in Z. Phys. C36:349,1987.
173. †Jet analysis in Higgs search. By J. Hilgart, M. Mermikides, S. Ritz, Sau Lan Wu, G. Zoernig. Feb 1987. Published in Z. Phys. C35:347,1987.
174. A measurement of the D(s) lifetime. By TASSO Collaboration (W. Braunschweig et al.). Dec 1986. Published in Z. Phys. C35:317,1987.
175. Inclusive pi0 production by e+ e- annihilation at 34.6-GeV center-of-mass energy. By TASSO Collaboration (W. Braunschweig et al.). Jul 1986. Published in Z.Phys.C33:13, 1986.
176. A measurement of the D0 lifetime. By TASSO Collaboration (M. Althoff et al.). Apr 1986. Published in Z. Phys. C32:343, 1986.
177. Measurement of the radiative width of the a(2) (1320) in two photon interactions. By TASSO Collaboration (M. Althoff et al.). Apr 1986. Published in Z. Phys. C31:537,1986.
178. Measurement of the photon structure function F2(gamma) AT Q\*\*2 from 7-GeV/c\*\*2 to 70-GeV/c\*\*2. By TASSO Collaboration (M. Althoff et al.). Mar 1986. Published in Z. Phys. C31:527,1986.
179. Vector meson production in the final state k+ k- pi+ pi- photon-photon collisions. By TASSO Collaboration (M. Althoff et al.). Mar 1986. Published in Z. Phys. C32:11,1986.
180. †Light higgs bosons and supersymmetry. By John Ellis, K. Enqvist, D.V. Nanopoulos, S. Ritz. Apr 1985. Published in Phys. Lett. 158B:417,1985, erratum-ibid. 163B:408,1985.
181. Search for two photon production of resonances decaying into k anti-k and k anti-k pi. By TASSO Collaboration (M. Althoff et al.). Aug 1985. Published in Z. Phys. C29:189,1985.
182. A study of three jet events in e+ e- annihilation into hadrons at 34.6-GeV c.m. energy. By TASSO Collaboration (M. Althoff et al.). Jul 1985. Published in Z. Phys. C29:29,1985.
183. Particle correlation observed in e+ e- annihilations into hadrons at c.m. energies between 29-GeV AND 37-GeV. By TASSO Collaboration (M. Althoff et al.). Aug 1985. Published in Z. Phys. C29:347,1985.
184. Bose-Einstein correlations observed in e+ e- annihilation at a center-of-mass energy of 34-GeV. By TASSO Collaboration (M. Althoff et al.). (Received Jan 1986). Published in Z. Phys. C30:355,1986.

185. Search for spinless bosons in  $e^+ e^-$  annihilation. By TASSO Collaboration (M. Althoff et al.). Jan 1985. Published in Phys. Lett. 154B:236,1985.
186. Determination of the average lifetime of bottom hadrons. By TASSO Collaboration (M. Althoff et al.). Sep 1984. Published in Phys. Lett. 149B:524, 1984.
187. The production and decay of tau leptons in  $e^+ e^-$  annihilation at PETRA energies. By TASSO Collaboration (M. Althoff et al.). Sep 1984. Published in Z.Phys.C26:521,1985.
188. A detailed study of strange particle production in  $e^+ e^-$  annihilation at high-energy. By TASSO Collaboration (M. Althoff et al.). Sep 1984. Published in Z. Phys. C27:27,1985.
189. Photon pair production by  $e^+ e^-$  annihilation and search for supersymmetric photinos at energies  $> 40$ -GeV. By TASSO Collaboration (M. Althoff et al.). Aug 1984. Published in Z. Phys. C26:337,1984.
190. Measurement of the radiative width of the eta-prime (958) in two photon interactions. By TASSO Collaboration (M. Althoff et al.). Jul 1984. Published in Phys. Lett. 147B:487,1984.
191. Upper limits on the production rate of the decuplet baryons delta and sigma\* in  $e^+ e^-$  annihilation at 34.4-GeV. By TASSO Collaboration (M. Althoff et al.). Jul 1984. Published in Z. Phys. C26:181,1984.
192. Inclusive electron production from heavy quarks in  $e^+ e^-$  annihilation at 34.6-gev center-of-mass energy. By TASSO Collaboration (M. Althoff et al.). Jul 1984. Published in Phys. Lett. 146B:443,1984.

## II. Selected additional publications

193. Fermi gamma-ray space telescope: High-energy results from the first year. P.F. Michelson (KIPAC, Stanford), W.B. Atwood, S. Ritz (UC Santa Cruz). Published in Rept.Prog.Phys. 73 (2010) 074901 e-Print: arXiv:1011.0213 [astro-ph.HE]
194. Window on the Extreme Universe. By W.B. Atwood, P.F. Michelson, and S. Ritz, article about GLAST science published in Scientific American, December 2007, pp 54-61.



195. Overview of the GLAST Mission and Opportunities. By S. Ritz, published in THE FIRST GLAST SYMPOSIUM. AIP Conference Proceedings, Volume 921, pp. 3-7 (2007).
196. LAT Onboard Science: Gamma-Ray Burst Identification. By F. Kuehn, J. Bonnell, R. Hughes, J.P. Norris, S. Ritz, J. Russell, P. Smith, B. Winer. Published in THE FIRST GLAST SYMPOSIUM. AIP Conference Proceedings, Volume 921, pp. 556-557 (2007).
197. The GLAST Background Model. By J.F. Ormes, W.B. Atwood, T. Burnett, J.E. Grove, F. Longo, J.E. McEnery, T. Mizuno, and S. Ritz. Published in THE FIRST GLAST SYMPOSIUM. AIP Conference Proceedings, Volume 921, pp. 560-561 (2007).
198. The Trigger and Onboard Filter of the GLAST Large Area Telescope. By R. Hughes, J.E. Grove, M. Kocian, S. Ritz, J. Russell, E. Siskind, P. Smith, T. Usher, and B. Winer. Published in THE FIRST GLAST SYMPOSIUM. AIP Conference Proceedings, Volume 921, pp. 568-569 (2007).
199. Working Group on Astro-Cosmo-Particle Physics Summary. By Dan Akerib, Sean Carroll, Marc Kamionkowski, and Steven Ritz, published in the Proceedings of Snowmass 2001 The Future of Particle Physics, N. Graf and C. Quigg, eds.
200. Searches for new phenomena at HERA. By S. Ritz, 'Frontiers in Contemporary Physics', R. Panvini and T. Weiler eds., AIP (1997).
201. Lepton hadron collider physics. By S. Ritz, in 'Future High Energy Colliders', Z. Parsa ed., AIP Conference Proceedings 397 (1996).
202. Beyond the standard model group summary. By H. Dreiner, H.U. Martyn, S. Ritz, and D. Wyler. HEPPH-9610232 and Proc. 1995-96 Workshop on Future Physics at HERA, Hamburg, Germany (1996).
203. Using HERA to probe QCD. By S. Ritz, in 'QCD and Beyond', Proceedings of the Theoretical Advanced Study Institute in Elementary Particle Physics, D. Soper ed., World Scientific (1995).
204. Search for neutral Higgs at LEP200. By S. Ritz. 1987. INT. J. MOD. PHYS. A2 (1987).
205. Some new/improved ways of finding higgses at LEP. By S. Ritz, In Proceedings of the International Europhysics Conference on High Energy Physics, Uppsala, Sweden (1987).
206. Cold dark matter annihilation in the sun. By S. Ritz, In Proceedings of the International Europhysics Conference on High Energy Physics, Uppsala, Sweden (1987).
207. New particles. By H. Baer et al., in 'Physics at LEP', J. Ellis and R. Peccei eds., CERN Report (1986).