

Publications in Refereed Journals

2022

1. “Proton Compton Scattering from Linearly Polarized Gamma Rays”, X. Li *et al.*, Phys. Rev. Lett. **128**, 132502 (2022).
2. “The proton charge radius”, Haiyan Gao and Marc Vanderhaeghen, Rev. Mod. Phys. **94**, 015002 (2022)

2021

3. “International Workshop on Next Generation Gamma-Ray Source”, C. R. Howell *et al.* J. Phys. G: Nucl. Part. Phys. **49**, 010502
4. ”Elastic positron–proton scattering at low Q^2 ”, T.J. Hague *et al.*, Eur. Phys. J. A **57**, 199 (2021)
5. “Measurement of the generalized spin polarizabilities of the neutron in the low- Q^2 region”, V. Sulkosky, C. Peng *et al.*, *Nature Physics* **17**, 687 (2021)
6. “The PRad windowless gas flow target”, J. Pierce *et al.*, Nucl. Instr. and Meth. A **1003**, 165300 (2021).
7. ”First Measurement of the Asymmetry and the Gerasimov-Drell-Hearn Integrand from ${}^3\vec{H}e(\vec{\gamma}, p)^2H$ reaction at the Incident Photon Energy of 29 MeV”, G. Laskaris *et al.*, Phys. Rev. C **103**, 034311 (2021).
8. “Antimatter in the proton is more down than up”, H. Gao, *Nature* **590**, 559-560 (2021)
9. “Advanced extraction of the deuteron charge radius from electron-deuteron scattering data”, J. Zhou *et al.*, Phys. Rev. C **103**, 024002 (2021).

2020

10. “Measurement of the ${}^3\text{He}$ spin-structure functions and of neutron (${}^3\text{He}$) spin-dependent sum rules at $0.035 \leq Q^2 \leq 0.24 \text{ GeV}^2$ ”, V. Sulkosky *et al.*, Phys. Lett. B **805**, 135428 (2020).
11. “Precision measurement of the neutral pion lifetime” I. Larin, Y. Zhang *et al.*, *Science* **6490**, 506-509 (2020)
12. “Compton scattering from ${}^4\text{He}$ at the TUNL HI γ S facility”, X. Li *et al.*, Phys. Rev. C **101**, 034618 (2020).

2019

13. “A New Cryogenic Apparatus to Search for the Neutron Electric Dipole Moment”, M.W. Ahmed *et al.*, Journal of Instrumentation, Vol. 14, P11017, 2019; nucl-ex arXiv:1908.09937.
14. “A Small Proton Charge Radius from An Electron-Proton Scattering Experiment,” W. Xiong, A. Gasparian, H. Gao, *et al.*, *Nature* **575**, 147-150 (2019)
15. “Measurement of the single-spin asymmetry A_y^0 in quasi-elastic ${}^3\vec{H}e(e, e'n)$ scattering at $0.4 < Q^2 < 1.0$ GeV/c², E. Long *et al.*, Phys. Lett. B **797**, 134875 (2019).
16. “High precision measurement of Compton scattering in the 5 GeV region”, P. Ambrozewicz *et al.*, Phys. Lett. B **797**, 134884 (2019).
17. “Measurement of Double-Polarization Asymmetries in the Quasielastic ${}^3\text{He}(e, e'p)$ Process”, M. Mihovilovic *et al.*, Phys. Lett. B **788**, 117 (2019).

2018

18. “Robust extraction of the proton charge radius from electron-proton scattering data”, Xuefei Yan *et al.*, Phys. Rev. C **98**, 025204 (2018).
19. “Experimental constraint on quark electric dipole moments”, Tianbo Liu, Zhiwen Zhao and Haiyan Gao, Phys. Rev. D **97**, 074018 (2018).

2017

20. “Extraction of the Neutron Electric Form Factor from Measurements of Inclusive Double Spin Asymmetries”, V. Sulkosky *et al.*, Phys. Rev. C **96**, 065206 (2017).
21. “Compton scattering from ${}^4\text{He}$ at 61 MeV”, M.H. Sikora *et al.*, Phys. Rev. C **96**, 055209 (2017).
22. “Measurement of the Vector and Tensor Asymmetries at Large Missing Momentum in Quasielastic ($\rightarrow e, ep$) Electron Scattering from Deuterium”, A. DeGrush *et al.* (BLAST Collaboration), Phys. Rev. Lett. **119**, 182501 (2017).
23. “Search for new spin-dependent interactions with SmCo_5 spin sources and a spin-exchange-relaxation-free comagnetometer”, Wei Ji, Changbo Fu, and Haiyan Gao, Phys. Rev. D **95**, 075014 (2017).
24. “First measurement of unpolarized semi-inclusive deep-inelastic scattering cross section from a ${}^3\text{He}$ target”, X. Yan *et al.*, Phys. Rev. C **95**, 035209 (2017).
25. “Search for a hidden strange baryon-meson bound state from ϕ production in a nuclear medium”, H. Gao *et al.*, Phys. Rev. C **95**, 055202 (2017).
26. “Unveiling the nucleon tensor charge at Jefferson Lab: A study of the SoLID case”, Z. Ye *et al.*, Phys. Lett. B **767**, 91 (2017).

2016

27. “Electron-Ion Collider: The next QCD frontier - Understanding the glue that binds us all”, A. Accardi *et al.*, Eur. Phys. J. A **52**, 268 (2016).
28. “Measurements of d_2^n and A_1^n : Probing the neutron spin structure”, D. Flay *et al.*, Phys. Rev. D **94**, 052003 (2016).

2015

29. “Proton remains puzzling”, H. Gao, T. Liu, C. Peng, Z. Ye, and Z.W. Zhao, Invited Review, The Universe, Vol. 3, No. 2, 18 (2015).
30. “Measurement of the doubly-polarized reaction ${}^3\vec{\text{He}}(\vec{\gamma}, n)pp$ at 16.5 MeV and its implications for the GDH sum rule”, G. Laskaris *et al.*, Phys. Lett. B **750**, 547 (2015).
31. “Measurement of the Target-Normal Single-Spin Asymmetry in Quasielastic Scattering from the Reaction ${}^3\vec{\text{He}}(e, e')$ ”, Y.-W. Zhang *et al.*, Phys. Rev. Lett. **115**, 172502 (2015).
32. “Double spin asymmetries of inclusive hadron electroproduction from a transversely polarized ${}^3\text{He}$ target”, Y.X. Zhao *et al.*, Phys. Rev. C **92**, 15207 (2015).
33. “Moments of the neutron g_2 structure function at intermediate Q^2 ”, P. Solvignon *et al.*, Phys. Rev. C **92**, 015208 (2015).
34. “Radiative corrections beyond the ultra relativistic limit in unpolarized ep elastic and Moller scatterings for the PRad experiment at Jefferson Laboratory”, I. Akushevich, H. Gao, A. Ilyichev, and M. Mezziane, Eur. Phys. J. A **51**, 1 (2015).

2014

35. “Measurement of “pretzelosity” asymmetry of charged pion production in semi-inclusive deep inelastic scattering on a polarized ${}^3\text{He}$ target”, Y. Zhang, X. Qian, K. Allada *et al.*, Phys. Rev. C **90**, 055209 (2014).
36. “Measurement of double-polarization asymmetries in the quasi-elastic ${}^3\vec{\text{He}}(\vec{e}, e'd)$ process”, M. Mihovilović *et al.*, Phys. Rev. Lett. **113**, 232505 (2014).
37. “Single spin asymmetries in charged kaon production from semi-inclusive deep inelastic scattering on a transversely polarized He3 target”, Y.X. Zhao *et al.*, Phys. Rev. C **90**, 055201 (2014).
38. “Precision Measurement of the Neutron Twist-3 Matrix Element d_2^n : Probing Color Forces”, M. Posik *et al.*, Phys. Rev. Lett. **113**, 022002 (2014).
39. Measurement of the Target-Normal Single-Spin Asymmetry in Deep-Inelastic Scattering from the Reaction ${}^3\text{He}^\uparrow(e, e)X$, J. Katich *et al.*, Phys. Rev. Lett. **113**, 022502 (2014).

40. “A frequency determination method for digitized NMR signals”, H. Yan, K. Li, R. Khatiwada, E. Smith, W.M. Snow, C.B. Fu, P.-H. Chu, H. Gao and W. Zheng, *Comm. in Computational Phys.*, **15**, 1343 (2014). DOI:10.4208/cicp.110613.270913a.
41. “Single spin asymmetries of inclusive hadrons produced in electron scattering from a transversely polarized ^3He target”, K. Allada *et al.*, *Phys. Rev. C* **89**, 042201(R) (2014).
42. “Spin-dependent cross sections from the three-body photodisintegration of ^3He at incident energies of 12.8 and 14.7 MeV”, G. Laskaris *et al.*, *Phys. Rev. C* **89**, 024002 (2014).

2013

43. “Studies of single-photoelectron response and of performance in magnetic field of a H8500C-03 photomultiplier tube”, S.P. Malace, B.D. Sawatzky, H. Gao, *Jour. of Instr.* **8**, P09004 (2013).
44. “The production of K^+K^- pairs in proton-proton collisions below the ϕ meson threshold”, Q.J. Ye, *et al.*, *Phys. Rev. C* **87**, 065203 (2013).
45. “First Measurement of Spin-Dependent Double-Differential Cross Sections and the GDH Integrand from $^3\text{He}(\vec{\gamma}, n)pp$ at Incident Photon Energies of 12.8 and 14.7 MeV”, G. Laskaris *et al.*, *Phys. Rev. Lett.* **110**, 202501 (2013).
46. “Laboratory search for spin-dependent short-range force from axionlike particles using optically polarized ^3He gas”, P.-H. Chu *et al.*, *Phys. Rev. D* **87**, 011105(R) (2013).
47. “A MRPC prototype for SoLID-TOF in JLab”, Y. Wang, X. Fan, J. Wang, D. Gonzalez-Diaz, H. Chen, J. Chen, Y. Li, A. Camsonne, J. -P. Chen, H. Gao and M. Meziane, *Jour. of Instr.* **8**, P03003 (2013).
48. “A practical method to determine the spatial resolution of GEM detector”, R. Wang, Y. Huang, Z. Xiao, Z. Zhang, H. Gao, *Nucl. Instr. and Meth. A* **701**, 54 (2013).

2012

49. “Virtual Compton Scattering and the Generalized Polarizabilities of the Proton at $Q^2=0.92$ and 1.76 GeV^2 ”, H. Fonvieille *et al.*, *Phys. Rev. C* **86**, 015210 (2012).
50. “Amplitude analysis of $\gamma n \rightarrow \pi^- p$ data above 1 GeV”, W. Chen, H. Gao *et al.*, *Phys. Rev. C* **86**, 015206 (2012).
51. “Production of K^+K^- pairs in proton-proton collisions at 2.83 GeV”, Q. J. Ye *et al.*, *Phys. Rev. C* **85**, 035211 (2012).

52. “Search for Spin-Dependent Short-Range Force Using Optically Polarized ^3He Gas”, W. Zheng, H. Gao *et al.*, Phys. Rev. D **85**, 031505(R) (2012).
53. “Beam-Target Double Spin Asymmetry A_{LT} in Charged Pion Production from Deep Inelastic Scattering on a Transversely Polarized ^3He Target at $1.4 < Q^2 < 2.7 \text{ GeV}^2$ ”, J. Huang *et al.*, Phys. Rev. Lett. **108**, 052001 (2012).

2011

54. “Precise measurement of deuteron tensor analyzing powers with BLAST”, C. Zhang *et al.*, Phys. Rev. Lett. **107**, 252501 (2011).
55. “General solution to gradient-induced transverse and longitudinal relaxation of spins undergoing restricted diffusion”, W. Zheng, H. Gao, *et al.*, Phys. Rev. A **84**, 053411 (2011).
56. “Spin-Dependent Electron Scattering from Polarized Protons and Deuterons with the BLAST Experiment at MIT-Bates”, D. Hasell, R.G. Milner, R.P. Redwine, R. Alarcon, H. Gao, M. Kohl, and J. Calarco, Annual Review of Nuclear and Particle Science **61**, 409-433 (2011).
57. “Extracting the photoproduction cross section off the neutron $\gamma n \rightarrow \pi^- p$ from deuteron data with FSI effects”, V.E. Tarasov *et al.*, *et al.*, Phys. Rev. C **84**, 035203 (2011).
58. “Single Spin Asymmetries in Charged Pion Production from Semi-Inclusive Deep Inelastic Scattering on a Transversely Polarized ^3He Target”, X. Qian *et al.*, Phys. Rev. Lett. **107**, 072003 (2011).
59. “Nuclear transparency and effective kaon-nucleon cross section from the $A(e, e'K^+)$ reaction”, Nuruzzaman *et al.*, Phys. Rev. C **84**, 015210 (2011). Phys. Rev. C **84**, 015210 (2011).
60. “Pressure dependence of wall relaxation in polarized ^3He gaseous cells”, W. Zheng, H. Gao, Q. Ye, Y. Zhang, Phys. Rev. A **83**, 061401(R) (2011).
61. “Transverse-momentum-dependent parton distribution/fragmentation functions at an electron-ion collider”, M. Anselmino *et al.*, Eur. Phys. J. A **47**, 35 (2011).
62. “Transverse Spin Structure of the Nucleon through Target Single Spin Asymmetry in Semi-Inclusive Deep-Inelastic $(e, e'\pi^\pm)$ Reaction at Jefferson Lab”, H. Gao *et al.*, EPJ-Plus **126**, 2 (2011).
63. “Near-threshold Photoproduction of ϕ Mesons from Deuterium”, X. Qian *et al.*, Phys. Lett. B **696**, 338 (2011).

2010

64. “Role of mesons in the electromagnetic form factors of the nucleon”, C. Crawford *et al.*, Phys. Rev. C **82**, 045211 (2010).
65. “Properties of the Lambda(1520) Resonance from High Precision Electroproduction Data”, Y. Qiang, Ya.I. Azimov, I.I. Strakovsky, W.J. Briscoe, H. Gao, D.W. Higinbotham and V.V. Nelyubin, Phys. Lett. B **694**, 123 (2010).
66. “Study of the $A(e,e'\pi^+)$ Reaction on ^1H , ^2H , ^{12}C , ^{27}Al , ^{63}Cu and ^{197}Au ”, X. Qian *et al.*, Phys. Rev. C **81**, 055209 (2010).
67. “A high-pressure polarized ^3He gas target for nuclear-physics experiments using a polarized photon beam”, Q. Ye, G. Laskaris, W. Chen, H. Gao, W. Zheng, T. Averett, G.D. Cates, and W.A. Tobias, Eur. Phys. J. A **44**, 55 (2010).

2009

68. “New measurements of the EMC effect in very light nuclei”, J. Seely *et al.*, Phys. Rev. Lett. **103**, 202301 (2009).
69. “The BLAST experiment”, D. Hasell *et al.*, Nucl. Instr. and Meth. A **603**, 247 (2009).
70. “The extraction of $\phi - N$ total cross section from $d(\gamma, pK^+K^-)n$ ”, X. Qian, W. Chen, H. Gao *et al.*, Phys. Lett. B **680**, 417 (2009).
71. “Relaxation of Spin Polarized ^3He in Mixtures of ^3He and ^4He at 330 mK”, Q. Ye, H. Gao *et al.*, Phys. Rev. A **80**, 023403 (2009).
72. “A Measurement of the differential cross section for the reaction $\gamma n \rightarrow \pi^- p$ from deuterium”, W. Chen *et al.*, Phys. Rev. Lett. **103**, 012301 (2009).
73. “Performance of the two aerogel cherenkov detectors of the JLab Hall A hadron spectrometer”, S. Marrone *et al.*, Nuovo Cim. B **124**, 99 (2009).

2008

74. “Scaling study of the pion electroproduction cross sections”, T. Horn, X. Qian *et al.*, Phys. Rev. C **78**, 058201 (2008).
75. “Quark-Hadron Duality in Neutron (^3He) Spin Structure”, P. Solvignon *et al.*, Phys. Rev. Lett. **101**, 182502 (2008).
76. “Research Opportunities at the Upgraded HI γ S Facility”, H.R. Weller, M. Ahmed, H. Gao, Tornow *et al.*, Progress in Particle and Nuclear Physics **62**, 257 (2009) (Review).
77. “The charge form factor of the neutron at low momentum transfer from the $^2\vec{H}(\vec{e}, e'n)p$ reaction”, E. Geis *et al.*, Phys. Rev. Lett. **101**, 042501 (2008).

78. “He-3 Spin-Dependent Cross Sections and Sum Rules”, K. Slifer *et al.*, Phys. Rev. Lett. **101**, 022303 (2008).
79. “Relaxation of spin polarized ^3He in mixtures of ^3He and ^4He below the ^4He Lambda point, Q. Ye, D. Dutta, H. Gao *et al.*, Phys. Rev. A **77**, 053408 (2008).

2007

80. “Measurement of Nuclear Transparency for the $A(e, e'\pi^+)$ Reaction”, B. Clasie *et al.*, Phys. Rev. Lett. **99**, 242502 (2007).
81. “Coherent Phi-meson Photoproduction on Deuteron at Low Energies”, T. Mibe, H. Gao, K. Hicks, K. Kramer, S. Stepanyan, D. J. Tedeschi *et al.*, Phys. Rev. C **76**, 052202(R) (2007).
82. “A High-pressure Polarized ^3He Gas Target for the High Intensity Gamma Source (HI γ S) Facility”, K. Kramer *et al.*, Nucl. Instr. and Meth. A **582**, 318 (2007).
83. “The search for ϕ -N bound state from subthreshold production of ϕ meson”, S. Liska, H. Gao, W. Chen, X. Qian, Phys. Rev. C **75**, 058201 (2007).
84. “Compton Scattering Cross Section on the Proton at High Momentum Transfer”, A. Danagoulian *et al.*, Phys. Rev. Lett. **98**, 152001 (2007).
85. “Extraction of the Neutron Magnetic Form Factor from Quasi-Elastic $^3\vec{H}e(\vec{e}, e')$ at $Q^2 = 0.1 - 0.6$ (GeV/c) 2 ”, B. Anderson *et al.* (E95-001 Collaboration), Phys. Rev. C **75**, 034003 (2007).
86. “Measurement of the proton electric to magnetic form factor ratio from $\vec{p}(\vec{e}, e'p)$ ”, C. Crawford *et al.*, Phys. Rev. Lett. **98**, 052301 (2007).

2006

87. “Laser-driven nuclear polarized hydrogen internal gas target”, J. Seely, C. Crawford, B. Clasie, W. Xu, D. Dutta, H. Gao, Phys. Rev. A **73**, 062714 (2006).
88. “A laser-driven target of high-density nuclear polarized hydrogen gas”, B. Clasie, C. Crawford, J. Seely, W. Xu, D. Dutta, H. Gao, Phys. Rev. A **73**, 020703(R) (2006).

2005

89. “The Q^2 -Dependence of the Neutron Spin Structure Function g_2^n at Low Q^2 ”, K. Kramer *et al.*, Phys. Rev. Lett. **95**, 142002 (2005), arXiv:nucl-ex/0506005.
90. “Polarization Transfer in Proton Compton Scattering at High Momentum Transfer”, D. J. Hamilton *et al.*, Phys. Rev. Lett. **94**, 242001 (2005).

91. “Higher twists and Color Polarizabilities in the Neutron ”, Z.-E. Meziani, *et al.*, Phys. Lett. B **613**, 148 (2005), arXiv:hep-ph/0404066.
92. “Cross Section Measurements of Charged Pion Photoproduction in Hydrogen and Deuterium from 1.1 to 5.5 GeV”, L.Y. Zhu *et al.*, Phys. Rev. C **71**, 044603 (2005), arXiv:nucl-ex/0409018.
93. “The Generalized Counting Rule and Oscillatory Scaling”, D. Dutta, H. Gao, Phys. Rev. C **71**, 032201(R) (2005), arXiv:hep-ph/0411267.

2004

94. “Precision measurement of the neutron spin asymmetries and spin-dependent structure functions in the valence quark region”, X. Zheng, K. Aniol, D.S. Armstrong, T.D. Averett, *et al.*, Phys. Rev. C **70**, 065207 (2004).
95. “Measurement of the Generalized Forward Spin Polarizabilities of the Neutron”, M. Amerian *et al.*, Phys. Rev. Lett. **93**, 152301 (2004).
96. “Near threshold electroproduction of the OMEGA meson at $Q^2 = 0.5-(\text{GeV}/c)^2$ ”, P. Ambrozewicz *et al.*, Phys. Rev. C **70**, 035203 (2004).
97. “Measurement of the Generalized Polarizabilities of the proton in virtual Compton scattering at $Q^2 = 0.92$ and 1.76 GeV^2 ”, G.Laveissiere *et al.*, (Jefferson Lab Hall A Collaboration) Phys. Rev. Lett. **93**, 122001 (2004).
98. “Basic Instrumentation for Hall A at Jefferson Lab”, J. Alcorn, *et al.*, Nucl. Instr. and Meth. A **522**, 294 (2004).
99. “Parity-violating Electron Deuteron Scattering and the Proton’s Neutral Weak Axial Vector Form Factor”, T.M. Ito *et al.*, Phys. Rev. Lett. **92**, 102003 (2004).
100. “ Q^2 Evolution of the Neutron Spin Structure Moments Using a ^3He Target”, M. Amarian *et al.*, Phys. Rev. Lett. **92**, 022301 (2004).
101. “Precision measurement of the neutron spin asymmetry A_1^n and spin-flavor decomposition in the valence quark region”, X. Zheng *et al.*, Phys. Rev. Lett. **92**, 012004 (2004).
102. Measurements of electron proton elastic cross-sections for $0.4 < Q^2 < 5.5 (\text{GeV}/c)^2$, M.E. Christy *et al.*, Phys. Rev. C **70**, 015206 (2004).
103. “Backward electroproduction of π^0 mesons on protons in the region of nucleon resonances at four momentum transfer squared $Q^2=1.0-(\text{GeV})^2$ ”, G.Laveissiere *et al.*, Phys. Rev. C **69**, 045203 (2004).

2003

104. “A Study of the (e,e’p) reaction on ^{12}C , ^{56}Fe and ^{197}Au ”, D. Dutta, D. van Westrum *et al.*, Phys. Rev. C **68**, 064603 (2003).
105. “Nuclear Transparency with the $\gamma n \rightarrow \pi^- p$ Process in ^4He ”, D. Dutta *et al.*, Phys. Rev. C **68**, 021001(R) (2003).
106. “Cross-section Measurement of Charged-Pion Photoproduction from Hydrogen and Deuterium”, L.Y. Zhu *et al.*, Phys. Rev. Lett. **91**, 022003 (2003).
107. “Nucleon Electromagnetic Form Factor”, H. Gao, Int. J. Mod. Phys. E **12**, No. 1 1-40 (2003) (Review).
108. “PWIA Extraction of the Neutron Magnetic Form Factor from Quasi-Elastic $^3\vec{\text{He}}(\vec{e}, e')$ at $\mathbf{Q}^2 = 0.3$ to 0.6 (GeV/c) 2 ”, W. Xu, B. Anderson, L. Auerbach, T. Everett, W. Bertozzi, T. Black, J. Calarco, L. Cardman, G. D. Cates, Z. W. Chai, J. P. Chen, S. Choi, E. Chudakov, S. Churchwell, G. S. Corrado, C. Crawford, D. Dale, A. Deur, P. Djawotho, D. Dutta, B. W. Filippone, J. M. Finn, H. Gao, R. Gilman, A. V. Glamazdin, C. Glashausser, W. Glöckle, J. Golak, J. Gomez, V. G. Gorbenko, J.-O. Hansen, F. W. Hersman, D. W. Higinbotham, R. Holmes, C.R. Howell, E. Hughes, B. Humensky, S. Incerti, C. W. de Jager, J. S. Jensen, X. Jiang, C. E. Jones, M. Jones, R. Kahl, H. Kamada, A. Kievsky, I. Kominis, W. Korsch, K. Kramer, G. Kumbartzki, M. Kuss, E. Lakuriqi, M. Lang, N. Liyanage, J. LeRose, S. Malov, D. J. Margaziotis, J. W. Martin, K. McCormick, R. D. McKeown, K. McIlhany, Z.-E. Meziani, R. Michaels, G. W. Miller, E. Pace, T. Pavlin, G. G. Petratos, R. I. Pomatsalyuk, D. Pripstein, D. Prout, R. D. Ransome, Y. Roblin, M. Rvachev, A. Saha, G. Salmè, M. Schnee, T. Shin, K. Slifer, P. A. Souder, S. Strauch, R. Suleiman, M. Sutter, B. Tipton, L. Todor, M. Viviani, B. Vlahovic, J. Watson, C. F. Williamson, H. Witała, B. Wojtsekhowski, J. Yeh, F. Xiong and P. Zolmierzuk, Phys. Rev. C **67**, 012201(R) (2003).

2002

109. “ Q^2 Evolution of the Generalized Gerasimov-Drell-Hearn Integral for the Neutron using a ^3He Target”, M. Amarian, L. Auerbach, T. Averett, J. Berthot, P. Bertin, W. Bertozzi, T. Black, E. Brash, D. Brown, E. Burtin, J. R. Calarco, G. D. Cates, Z. Chai, J.-P. Chen, S. Choi, E. Chudakov, E. Cisbani, C. W. de Jager, A. Deur, R. DiSalvo, S. Dieterich, P. Djawotho, M. Finn, K. Fissum, H. Fonvieille, S. Frullani, H. Gao, J. Gao, F. Garibaldi, A. Gasparian, S. Gilad, R. Gilman, A. Glamazdin, C. Glashausser, E. Goldberg, J. Gomez, V. Gorbenko, J.-O. Hansen, F.W. Hersman, R. Holmes, G. M. Huber, E. W. Hughes, T. B. Humensky, S. Incerti, M. Iodice, S. Jensen, X. Jiang, C. Jones, G. M. Jones, M. Jones, C. Jutier, A. Ketikyan, I. Kominis, W. Korsch, K. Kramer, K. S. Kumar, G. Kumbartzki, M. Kuss, E. Lakuriqi, G. Laveissiere, J. Lerose, M. Liang, N. Liyanage, G. Lolos, S. Malov, J. Marroncle, K. McCormick, R. McKeown, Z.-E. Meziani, R. Michaels, J. Mitchell, Z. Papandreou, T. Pavlin, G. G. Petratos, D. Pripstein, D. Prout, R. Ransome, Y. Roblin, D. Rowntree, M. Rvachev, F.

- Sabatie, A. Saha, K. Slifer, P. A. Souder, T. Saito, S. Strauch, R. Suleiman, K. Takahashi, S. Teijiro, L. Todor, H. Tsubota, H. Ueno, G. Urciuoli, R. Van der Meer, P. Vernin, H. Voskanian, B. Wojtsekhowski, F. Xiong, W. Xu, J.-C. Yang, B. Zhang, and P. Zolnierczuk, *Phys. Rev. Lett.* **89**, 242301 (2002).
110. “Nuclear transparency from quasielastic $A(e,e'p)$ reactions up to $Q^2 = 8.1$ (GeV/c) 2 ”, K. Garrow, D. McKee, A. Ahmidouch, C. S. Armstrong, J. Arrington, R. Asaturyan, S. Avery, O. K. Baker, D. H. Beck, H. P. Blok, C. W. Bochna, W. Boeglin, P. Bosted, W. Bouwuis, H. Breuer, D. S. Brown, A. Bruell, R. D. Carlini, N. S. Chant, A. Cochran, L. Cole, S. Danagoulian, D. B. Day, J. Dunne, D. Dutta, R. Ent, H. C. Fenker, B. Fox, L. Gan, D. Gaskell, A. Gasparian, H. Gao, D. F. Geesaman, R. Gilman, P. L. J. Gu?ye, M. Harvey, R.J. Holt, X. Jiang, C. E. Keppel, E. Kinney, Y. Liang, W. Lorenzon, A. Lung, D. J. Mack, P. Markowitz, J. W. Martin, K. McIlhany, D. Meekins, M. A. Miller, R. G. Milner, J. H. Mitchell, H. Mkrtchyan, B. A. Mueller, A. Nathan, G. Niculescu, I. Niculescu, T. G. O’Neill, V. Papavassiliou, S. Pate, R. B. Piercey, D. Potterveld, R. D. Ransome, J. Reinhold, E. Rollinde, P. Roos, A. J. Sarty, R. Sawafta, E. C. Schulte, E. Segbefia, C. Smith, S. Stepanyan, S. Strauch, V. Tadevosyan, L. Tang, R. Tieulent, A. Uzzle, W. F. Vulcan, S. A. Wood, F. Xiong, L. Yuan, M. Zeier, B. Zihlmann, and V. Ziskin, *Phys. Rev. C* **66**, 044613 (2002).
111. “High energy angular distribution measurements of the exclusive deuteron photodisintegration reaction”, E. C. Schulte, A. Afanasev, M. Amarian, K. Aniol, S. Becher, K. Benslama, L. Bimbot, P. Bosted, E. Brash, J. Calarco, Z. Chai, C. Chang, T. Chang, J. P. Chen, S. Choi, E. Chudakov, S. Churchwell, D. Crovelli, S. Dieterich, S. Dumalski, D. Dutta, M. Epstein, K. Fissum, B. Fox, S. Frullani, H. Gao, J. Gao, F. Garibaldi, O. Gayou, R. Gilman, A. Glamazdin, C. Glashausser, J. Gomez, V. Gorbenko, J.-O. Hansen, R. J. Holt, J. Hovdebo, G. M. Huber, C. W. de Jager, X. Jiang, C. Jones, M. K. Jones, J. Kelly, E. Kinney, E. Kooijman, G. Kumbartzki, M. Kuss, J. LeRose, M. Liang, R. Lindgren, N. Liyanage, S. Malov, D. Margaziotis, P. Markowitz, K. McCormick, D. Meekins, Z.-E. Meziani, R. Michaels, J. Mitchell, L. Morand, C. Perdrisat, R. Pomatsalyuk, V. Punjabi, A. Radyushkin, R. Ransome, R. Roche, M. Rvachev, A. Saha, A. Sarty, D. Simon, S. Strauch, R. Suleiman, L. Todor, P. Ulmer, G. M. Urciuoli, K. Wijesooriya, B. Wojtsekhowski, F. Xiong, and W. Xu, *Phys. Rev. C* **66**, 042201(R) (2002).
112. “Polarization measurement in neutral pion photoproduction”, K. Wijesooriya, A. Afanasev, M. Amarian, K. Aniol, S. Becher, K. Benslama, L. Bimbot, P. Bosted, E. Brash, J. Calarco, Z. Chai, C. C. Chang, T. Chang, J. P. Chen, S. Choi, E. Chudakov, S. Churchwell, D. Crovelli, s. Dieterich, S. Dumalski, D. Dutta, M. Epstein, K. Fissum, B. Fox, S. Frullani, H. Gao, J. Gao, F. Garibaldi, O. Gayou, R. Gilman, S. Glamazdin, C. Glashausser, J. Gomez, V. Gorbenko, O. Hansen, R. J. Holt, J. Hovdebo, G. M. Huber, C. W. de Jager, X. Jian, C. Jones, M. K. Jones, J. Kelly, E. Kinney, E. Kooijman, G. Kumbartzki, M. Kuss, J. LeRose, M. Liang, R. Lindgren, N. Liyanage, S. Malov, D. J. Margaziotis, P. Markowitz, K.

McCormick, D. Meekins, Z.-E. Meziani, R. Michaels, J. Mitchell, L. Morand, C. F. Perdrisat, R. Pomatsalyuk, V. Punjabi, R. D. Ransome, R. Roche, M. Rvachev, A. Saha, A. Sarty, E. C. Schulte, D. Simon, S. Strauch, R. Suleiman, L. Todor, P. E. Ulmer, G. M. Urciuoli, B. Wojtsekhowski, F. Xiong, and W. Xu, Phys. Rev. C **66**, 034614 (2002).

113. “Nucleon resonances with double polarization observables of pion photoproduction”, D. Dutta, H. Gao, and T.-S.H. Lee, Phys. Rev. C **65**, 044619 (2002).

2001

114. “Measurement of longitudinal spin transfer to Λ hyperons in deep inelastic lepton scattering”, A. Airapetian et al., Phys. Rev. D **64**, 112005 (2001).
115. “Measurement of the elastic electromagnetic form-factor ratio $\frac{\mu_P G_E^P}{G_M^P}$ via polarization transfer”, O. Gayou et al., Phys. Rev. C **64**, 038202 (2001).
116. “Precision measurement of the spin-dependent asymmetry in the threshold region of ${}^3\text{He}(\vec{e}, e\gamma)$ ”, F. Xiong *et al.*, Phys. Rev. Lett. **87**, 242501 (2001).
117. “Measurement of the High Energy Two-Body Deuteron Photodisintegration Differential Cross Section” E. C. Schulte, A. Ahmidouch, C. S. Armstrong, J. Arrington, R. Asaturyan, S. Avery, O. K. Baker, D. H. Beck, H. P. Blok, C. W. Bochna, W. Boeglin, P. Y. Bosted, M. Bouwuis, H. Breuer, D. S. Brown, A. Bruell, R. V. Cadman, R. Carlini, N. S. Chant, A. Cochran, L. Cole, S. Danagoulian, D. B. Day, J. A. Dunne, D. Dutta, R. Ent, H. C. Fenker, B. Fox, L. Gan, H. Gao, K. Garrow, D. Gaskell, A. Gasparian, D. F. Geesaman, R. Gilman, C. Glashauser, P. Gueye, M. Harvey, R. J. Holt, H. E. Jackson, X. Jiang, C. E. Keppel, E. R. Kinney, Y. Liang, W. Lorenzon, A. F. Lung, D. J. Mack, P. E. Markowitz, J. Martin, K. McIlhany, D. McKee, D. G. Meekins, M. A. Miller, R. G. Milner, J. H. Mitchell, H. Mkrtchyan, B. A. Mueller, A. M. Nathan, G. Niculescu, I. Niculescu, T. G. O’Neill, V. Papavassiliou, S. F. Pate, R. B. Piercey, D. H. Potterveld, R. D. Ransome, J. Reinhold, E. Rollinde, P. Roos, A. Saha, A. J. Sarty, R. Sawafra, E. Segbefia, T. Shin, S. Stepanyan, S. Strauch, M. F. Sutter, V. Tadevosyan, L. Tang, R. Tieulent, A. Uzzle, W. F. Vulcan, S. A. Wood, F. Xiong, L. Yuan, M. Zeier, B. Zihlmann, and V. Ziskin, Phys. Rev. Lett. **87**, 102302 (2001).
118. “Polarization measurements in high-energy deuteron photodisintegration”, K. Wijesooriya, A. Afanasev, M. Amarian, K. Aniol, S. Becher, K. Benslama, L. Bimbot, P. Bosted, E. Brash, J. Calarco, Z. Chai, C. C. Chang, T. Chang, J. P. Chen, S. Choi, E. Chudakov, S. Churchwell, D. Crovelli, S. Dieterich, S. Dumalski, D. Dutta, M. Epstein, K. Fissum, B. Fox, S. Frullani, H. Gao, J. Gao, F. Garibaldi, O. Gayou, R. Gilman, S. Glamazdin, C. Glashauser, J. Gomez, V. Gorbenko, O. Hansen, R. J. Holt, J. Hovdebo, G. M. Huber, C. W. de Jager, X.

Jian, C. Jones, M. K. Jones, J. Kelly, E. Kinney, E. Kooijman, G. Kumbartzki, M. Kuss, J. LeRose, M. Liang, R. Lindgren, N. Liyanage, S. Malov, D. J. Margaziotis, P. Markowitz, K. McCormick, D. Meekins, Z.-E. Meziani, R. Michaels, J. Mitchell, L. Morand, C. F. Perdrisat, R. Pomatsalyuk, V. Punjabi, R. D. Ransome, R. Roche, M. Rvachev, A. Saha, A. Sarty, E. C. Schulte, D. Simon, S. Strauch, R. Suleiman, L. Todor, P. E. Ulmer, G. M. Urciuoli, B. Wojtsekhowski, F. Xiong, and W. Xu, Phys. Rev. Lett. **86**, 2975 (2001).

119. “ ϕ -N bound state”, H. Gao, T.S.-H. Lee, V. Marinov, Phys. Rev. C **63**, 022201(R) (2001).
120. “Evidence for a three-nucleon-force effect in proton-deuteron elastic scattering”, R. V. Cadman, J. Brack, W. J. Cummings, J. A. Fedchak, B. D. Fox, H. Gao, W. Glöckle, J. Golak, C. Grosshauser, R. J. Holt, C. E. Jones, H. Kamada, E. R. Kinney, M. A. Miller, W. Nagengast, A. Nogga, B. R. Owen, K. Rith, F. Schmidt, E. C. Schulte, J. Sowinski, F. Sperisen, E. L. Thorsland, R. Tobey, J. Wilbert, and H. Witała, Phys. Rev. Lett. **86**, 967 (2001).

2000

121. “Nuclear effects on $R = \sigma(L)/\sigma(T)$ in deep inelastic scattering”, K. Ackerstaff *et al.*, Phys. Lett. B **475**, 386 (2000).
122. “Measurement of angular distributions and $R = \sigma(L)/\sigma(T)$ in diffractive electroproduction of ρ^0 mesons”, K. Ackerstaff *et al.*, Eur. Phys. J. C **18**, 303 (2000).
123. “The Transverse Asymmetry $A_{T'}'$ from Quasielastic ${}^3\vec{H}e(\vec{e}, e')$ Process and the Neutron Magnetic Form Factor,” W. Xu, D. Dutta, F. Xiong, B. Anderson, L. Auerbach, T. Everett, W. Bertozzi, T. Black, J. Calarco, L. Cardman, G. D. Cates, Z. W. Chai, J. P. Chen, S. Choi, E. Chudakov, S. Churchwell, G. S. Corrado, C. Crawford, D. Dale, A. Deur, P. Djawotho, B. W. Filippone, J. M. Finn, H. Gao, R. Gilman, A. V. Glamazdin, C. Glashauser, W. Glöckle, J. Golak, J. Gomez, V. G. Gorbenko, J.-O. Hansen, F. W. Hersman, D. W. Higinbotham, R. Holmes, C. R. Howell, E. Hughes, B. Humensky, S. Incerti, C. W. de Jager, J. S. Jensen, X. Jiang, C. E. Jones, M. Jones, R. Kahl, H. Kamada, A. Kievsky, I. Kominis, W. Korsch, K. Kramer, G. Kumbartzki, M. Kuss, E. Lakuriqi, M. Lang, N. Liyanage, J. LeRose, S. Malov, D. J. Margaziotis, J. W. Martin, K. McCormick, R. D. McKeown, K. McIlhany, Z.-E. Meziani, R. Michaels, G. W. Miller, E. Pace, T. Pavlin, G. G. Petratos, R. I. Pomatsalyuk, D. Pripstein, D. Prout, R. D. Ransome, Y. Roblin, M. Rvachev, A. Saha, G. Salmè, M. Schnee, T. Shin, K. Slifer, P. A. Souder, S. Strauch, R. Suleiman, M. Sutter, B. Tipton, L. Todor, M. Viviani, B. Vlahovic, J. Watson, C. F. Williamson, H. Witała, B. Wojtsekhowski, J. Yeh, and P. Zolmierzuk, Phys. Rev. Lett. **85**, 2900 (2000).

124. “Separated Spectral Functions for Quasifree $^{12}\text{C}(e,e'p)$ reaction,” D. Dutta, D. van Westrum, D. Abbott, A. Ahmidouch, Ts. A. Amatuni, C. Armstrong, J. Arrington, K. A. Assamagan, K. Bailey, O. K. Baker, S. Barrow, K. Beard, D. Beatty, S. Beedoe, E. Beise, E. Belz, C. Bochma, P. E. Bosted, H. Breuer, E. E. W. Bruins, R. Carlini, J. Cha, N. Chant, R. E. Chrien, C. Cothran, W. J. Cummings, S. Danagoulian, D. Day, D. DeSchepper, J.-E. Ducret, F. Duncan, J. Dunne, T. Eden, R. Ent, H. T. Fortune, V. Frolov, D. F. Geesaman, H. Gao, R. Gilman, P. Gueye, J. O. Hansen, W. Hinton, R. J. Holt, C. Jackson, H. E. Jackson, C. Jones, S. Kaufman, J. J. Kelly, C. Keppel, M. Khandaker, W. Kim, E. Kinney, A. Klein, D. Koltenuk, L. Kramer, W. Lorenzon, K. McFarlane, D. J. Mack, R. Madey, P. Markowitz, J. Martin, A. Mateos, D. Meekins, E. Meier, M. A. Miller, R. Miller, J. Mitchell, R. Mohring, H. Mkrtchyan, A. M. Nathan, G. Niculescu, I. Niculescu, T. G. O’Neill, D. Potterveld, J. W. Price, J. Reinhold, C. Salgado, J. P. Schiffer, R. E. Segel, P. Stoler, R. Suleiman, R. Sawafta, R. J. Sutter, V. Tadevosyan, L. Tang, B. Terburg, T. P. Welch, C. Williamson, S. Wood, C. Yan, Jae-Choon Yang, J. Yu, B. Zeidman, W. Zhao, and B. Zihlmann, *Phys. Rev. C* **61**, 061602(R) (2000).
125. “Experimental verification of Quark-Hadron Duality,” I. Niculescu, C. S. Armstrong, J. Arrington, K. A. Assamagan, O. K. Baker, D. H. Beck, C. W. Bochna, R. D. Carlini, J. Cha, C. Cothran, D. B. Day, J. A. Dunne, D. Dutta, R. Ent, V. V. Frolov, H. Gao, D. F. Geesaman, P. L. J. Gueye, W. Hinton, R. J. Holt, H. E. Jackson, C. E. Keppel, D. M. Koltenuk, D. J. Mack, D. G. Meekins, M. A. Miller, J. H. Mitchell, R. M. Mohring, G. Niculescu, D. Potterveld, J. W. Price, J. Reinhold, R. E. Segel, P. Stoler, L. Tang, B. P. Terburg, D. van Westrum, W. F. Vulcan, S. A. Wood, C. Yan, and B. Zeidman, *Phys. Rev. Lett.* **85**, 1186 (2000).
126. “Evidence for valence like Quark-Hadron Duality,” I. Niculescu, C. S. Armstrong, J. Arrington, K. A. Assamagan, O. K. Baker, D. H. Beck, C. W. Bochna, R. D. Carlini, J. Cha, C. Cothran, D. B. Day, J. A. Dunne, D. Dutta, R. Ent, V. V. Frolov, H. Gao, D. F. Geesaman, P. L. J. Gueye, W. Hinton, R. J. Holt, H. E. Jackson, C. E. Keppel, D. M. Koltenuk, D. J. Mack, D. G. Meekins, M. A. Miller, J. H. Mitchell, R. M. Mohring, G. Niculescu, D. Potterveld, J. W. Price, J. Reinhold, R. E. Segel, P. Stoler, L. Tang, B. P. Terburg, D. van Westrum, W. F. Vulcan, S. A. Wood, C. Yan, and B. Zeidman, *Phys. Rev. Lett.* **85**, 1182 (2000).
127. “Evidence for a Single-Spin Azimuthal Asymmetry in Semi-inclusive Pion Electroproduction”, A. Airapetian *et al.*, (HERMES Collaboration), *Phys. Rev. Lett.* **84**, 4047 (2000).

1999

128. “Exotic Hadrons of Minimal Pentaquark ($qqqq\bar{q}$) States”, H. Gao, B.-Q. Ma, *Mod. Phys. Lett. A* **14**, 2313 (1999).

129. Measurements of the Deuteron Elastic Structure Function $A(Q^2)$ for $0.7 \leq Q^2 \leq 6.0(\text{GeV}/c)^2$ at Jefferson Laboratory L.C. Alexa *et al.*, Phys. Rev. Lett. **82**, 1374 (1999).
130. “Coherent π^0 photoproduction on the deuteron up to 4 GeV,” D. G. Meekins, D. J. Abbott, A. Ahmidouch, C. S. Armstrong, J. Arrington, K. A. Assamagan, O. K. Baker, S. P. Barrow, D. P. Beatty, D. H. Beck, S. Y. Beedoe, E. J. Beise, J. E. Belz, C. Bochna, P. E. Bosted, E. J. Brash, H. Breuer, R. V. Cadman, L. Cardman, R. D. Carlini, J. Cha, N. S. Chant, G. Collins, C. Cothran, W. J. Cummings, S. Danagoulian, F. A. Duncan, J. A. Dunne, D. Dutta, T. Eden, R. Ent, B. W. Filippone, T. A. Forest, H. T. Fortune, V. V. Frolov, H. Gao, D. F. Geesaman, R. Gilman, P. L. J. Gueye, K. K. Gustafsson, J.-O. Hansen, M. Harvey, W. Hinton, R. J. Holt, H. E. Jackson, C. E. Keppel, M. A. Khandaker, E. R. Kinney, A. Klein, D. M. Koltenuk, G. Kumbartzki, A. F. Lung, D. J. Mack, R. Madey, P. Markowitz, K. W. McFarlane, R. D. McKeown, Z-E. Meziani, M. A. Miller, J. H. Mitchell, H. G. Mkrtchyan, R. M. Moring, J. Napolitano, A. M. Nathan, G. Niculescu, I. Niculescu, T. G. O’Neill, B. R. Owen, S. F. Pate, D. H. Potterveld, J. W. Price, G. L. Rakness, R. D. Ransome, J. Reinhold, P. M. Rutt, C. W. Salgado, G. Savage, R. E. Segel, N. Simicevic, P. Stoler, R. Suleiman, L. Tang, B. P. Terburg, D. van Westrum, W. F. Vulcan, S. E. Williamson, M. T. Witkowski, S. A. Wood, C. Yan, and B. Zeidman, Phys. Rev. C **60**, 052201 (1999).
131. “Flavor Decomposition of the Polarized Quark Distributions in the Nucleon from Inclusive and Semi-inclusive Deep-inelastic Scattering”, K. Ackerstaff, *et al.*, (HERMES Collaboration) Phys. Lett. B **464**, 123 (1999).
132. “Beam-Induced Nuclear Depolarization in a Gaseous Polarized-Hydrogen Target”, K. Ackerstaff *et al.*, (HERMES Collaboration), Phys. Rev. Lett. **82**, 1164 (1999).
133. “Observation of a coherence length effect in exclusive ρ^0 electroproduction”, K. Ackerstaff *et al.*, (HERMES Collaboration), Phys. Rev. Lett. **82**, 3025 (1999).

1998

134. “Determination of the Deep Inelastic Contribution to the Generalized Gerasimov-Drell-Hearn Integral for the Proton and Neutron”, K. Ackerstaff *et al.*, (HERMES Collaboration), Phys. Lett. B **444**, 531 (1998).
135. “Measurement of the proton spin structure function g_1p with a pure hydrogen target”, A. Airapetian *et al.*, (HERMES Collaboration), Phys. Lett. B **442**, 484 (1998).
136. “The flavor asymmetry of the light quark sea from semi-inclusive deep-inelastic scattering”, K. Ackerstaff *et al.*, (HERMES Collaboration), Phys. Rev. Lett. **81**, 5519 (1998).

137. “Measurements of Deuteron Photodisintegration up to 4.0 GeV,” C. Bochna, B. P. Terburg, D. J. Abbott, A. Ahmidouch, C. S. Armstrong, J. Arrington, K. A. Assamagan, O. K. Baker, S. P. Barrow, D. P. Beatty, D. H. Beck, S. Y. Beedoe, E. J. Beise, J. E. Belz, P. E. Bosted, E. J. Brash, H. Breuer, R. V. Cadman, L. Cardman, R. D. Carlini, J. Cha, N. S. Chant, G. Collins, C. Cothran, W. J. Cummings, S. Danagoulian, F. A. Duncan, J. A. Dunne, D. Dutta, T. Eden, R. Ent, B. W. Filippone, T. A. Forest, H. T. Fortune, V. V. Frolov, H. Gao, D. F. Geesaman, R. Gilman, P. L. J. Gueye, K. K. Gustafsson, J.-O. Hansen, M. Harvey, W. Hinton, R. J. Holt, H. E. Jackson, C. E. Keppel, M. A. Khandaker, E. R. Kinney, A. Klein, D. M. Koltenuk, G. Kumbartzki, A. F. Lung, D. J. Mack, R. Madey, P. Markowitz, K. W. McFarlane, R. D. McKeown, D. G. Meekins, Z.-E. Meziani, M. A. Miller, J. H. Mitchell, H. G. Mkrtchyan, R. M. Mohring, J. Napolitano, A. M. Nathan, G. Niculescu, I. Niculescu, T. G. O’Neill, B. R. Owen, S. F. Pate, D. H. Potterveld, J. W. Price, G. L. Rakness, R. Ransome, J. Reinhold, P. M. Rutt, C. W. Salgado, G. Savage, R. E. Segel, N. Simicevic, P. Stoler, R. Suleiman, L. Tang, D. van Westrum, W. F. Vulcan, S. Williamson, M. T. Witkowski, S. A. Wood, C. Yan, and B. Zeidman, *Phys. Rev. Lett.* **81**, 4576 (1998).
138. “The HERMES Spectrometer”, K. Ackerstaff *et al.*, (HERMES Collaboration), *Nucl. Instr. and Meth. A* **417**, 230 (1998).
139. “The HERMES polarized ^3He internal gas target”, D. DeSchepper *et al.*, *Nucl. Instr. and Meth. A* **419**, 16 (1998).
140. “NUCLEAR TENSOR POLARIZATION IN A LASER-DRIVEN POLARIZED DEUTERIUM INTERNAL TARGET”, J.A. Fedchak, K. Bailey, W.J. Cummings, H. Gao, R.J. Holt, C.E. Jones, R.S. Kowalczyk, T. O’Neill, M. Poelker, *Nucl. Instr. and Meth. A* **417**, 182 (1998).
141. “Quasifree (e,e’p) Reactions and Proton Propagation in Nuclei,” J. Arrington, K.A. Assamagan, K. Bailey, O.K. Baker, S. Barrow, K. Beard, D. Beatty, S. Beedoe, E. Beise, E. Belz, C. Bochna, H. Breuer, E.E.W. Bruins, R. Carlini, J. Cha, N. Chant, C. Cothran, W.J. Cummings, S. Danagoulian, D. Day, D. DeSchepper, J.-E. Ducret, F. Duncan, J. Dunne, D. Dutta, T. Eden, R. Ent, H.T. Fortune, V. Frolov, D.F. Geesaman, H. Gao, R. Gilman, P. Gu?ye, J.O. Hansen, W. Hinton, R.J. Holt, C. Jackson, H.E. Jackson, C.E. Jones, S. Kaufman, J.J. Kelly, C. Keppel, M. Khandaker, W. Kim, E. Kinney, A. Klein, D. Koltenuk, L. Kramer, W. Lorenzon, K. McFarlane, D.J. Mack, R. Madey, P. Markowitz, J. Martin, A. Mateos, D. Meekins, M. A. Miller, R. Milner, J. Mitchell, R. Mohring, H. Mkrtchyan, A.M. Nathan, G. Niculescu, I. Niculescu, T.G. O’Neill, D. Potterveld, J.W. Price, J. Reinhold, C. Salgado, J.P. Schiffer, R. E. Segel, P. Stoler, R. Suleiman, V. Tadevosyan, L. Tang, B. Terburg, D. van Westrum, Pat Welch, C. Williamson, S. Wood, C. Yan, Jae-Choon Yang, J. Yu, B. Zeidman, W. Zhao, B. Zihlmann, *Phys. Rev. Lett.* **80**, 5072 (1998).

1997

142. “Measurement of the proton neutral weak magnetic form factor”, B. Mueller, D.H. Beck, E.J. Beise, E. Candell, L. Cardman, R. Carr, R.C. DiBari, G. Dodson, K. Dow, F. Duncan, M. Farkhondeh, B.W. Filippone, T. Forest, H. Gao, W. Korsch, S. Kowalski, A. Lung, R.D. McKeown, R. Mohring, J. Napolitano, D. Nilsson, M. Pitt, N. Simicevic, B. Terburg, S.P. Wells, *Phys. Rev. Lett.* **78**, 3824 (1997).
143. “Measurement of the neutron spin structure function g_n^1 with a polarized He-3 internal target”, K. Ackerstaff *et al.*, (HERMES Collaboration), *Phys. Lett. B* **404**, 383 (1997).

1996

144. “The $\gamma n \rightarrow \pi^- p$ Process in ^4He and ^{16}O ”, H. Gao, R.J. Holt, V.R. Pandharipande, *Phys. Rev. C* **54**, 2779 (1996).
145. “Inclusive electron-scattering from nuclei at $x \geq 1$ ” J. Arrington, P. Anthony, R. G. Arnold, E. J. Beise, J. E. Belz, P. E. Bosted, H.-J. Bulten, M. S. Chapman, K. P. Coulter, F. Dietrich, R. Ent, M. Epstein, B. W. Filippone, H. Gao, R. A. Gearhart, D. F. Geesaman, J.-O. Hansen, R. J. Holt, H. E. Jackson, C. E. Jones, C. E. Keppel, E. R. Kinney, S. Kuhn, K. Lee, W. Lorenzon, A. Lung, N. C. R. Makins, D. J. Margaziotis, R. D. McKeown, R. G. Milner, B. Mueller, J. Napolitano, J. Nelson, T. G. O’Neill, V. Papavassiliou, G. G. Petratos, D. H. Potterveld, S. E. Rock, M. Spengos, Z. M. Szalata, L. H. Tao, K. van Bibber, J. F. J. van den Brand, J. L. White, D. Winter, B. Zeidman, *Phys. Rev. C* **53**, 2248 (1996).

1995

146. “Evidence for Virtual Compton-scattering from the Proton”, J. F. J. van den Brand, R. Ent, P. Anthony, R. G. Arnold, J. Arrington, E. J. Beise, J. E. Belz, P. E. Bosted, H.-J. Bulten, M. S. Chapman, K. P. Coulter, F. Dietrich, M. Epstein, B. W. Filippone, H. Gao, R. A. Gearhart, D. F. Geesaman, J.-O. Hansen, R. J. Holt, H. E. Jackson, C. E. Jones, C. E. Keppel, E. R. Kinney, S. Kuhn, K. Lee, W. Lorenzon, A. Lung, N. C. R. Makins, D. J. Margaziotis, R. D. McKeown, R. G. Milner (co-spokesman), B. Mueller, J. Napolitano, J. Nelson, T. G. O’Neill, V. Papavassiliou, G. G. Petratos, D. H. Potterveld, S. E. Rock, M. Spengos, Z. M. Szalata, L. H. Tao, K. van Bibber, J. L. White, D. Winter, B. Zeidman, *Phys. Rev. D* **52**, 4868 (1995).
147. “Measurement of the Spin-dependent Asymmetry in $^3\text{He}(e,e')$ Inelastic Scattering at Low Energy Transfer”, C. E. Jones, J. Arrington, E. J. Beise, B. Bray, R. W. Carr, B. W. Filippone, H. Gao, A. Lung, R. D. McKeown, B. Mueller,

- M. L. Pitt, D. DeSchepper, G. Dodson, K. Dow, R. Ent, M. Farkhondeh, J.-O. Hansen, W. Korsch, L. H. Kramer, K. Lee, N. C. R. Makins, R. G. Milner, D. R. Tieger, T. P. Welch, E. Candell, J. Napolitano, C. Tripp, B. B. Wojtsekhowski, W. Lorenzon, *Phys. Rev. C* **52**, 1520 (1995).
148. “A-Dependence of Nuclear Transparency in Quasielastic $A(e,e'p)$ at High Q^2 ”, T. G. O’Neill, J. Arrington, E. Beise, E. Belz, B. W. Filippone, H. Gao, W. Lorenzon, B. Mueller, R. D. McKeown, R. G. Arnold, P. E. Bosted, C. E. Keppel, A. Lung, S. E. Rock, M. Spengos, Z. M. Szalata, L. H. Tao, J. L. White, K. Coulter, D. Geesaman, R. J. Holt, H. E. Jackson, D. H. Potterveld, V. Papavassiliou, B. Zeidman, M. Epstein, D. Margaziotis, N. C. R. Makins, R. Ent, M. Chapman, J.-O. Hansen, K. Lee, R. G. Milner, J. Nelson, J. Napolitano, E. Kinney, P. L. Anthony, F. S. Dietrich, K. van Bibber, R. A. Gearhart, G. G. Petratos, S. E. Kuhn, J. F. J. van den Brand, H.-J. Bulten, C. E. Jones, *Phys. Lett. B* **351**, 87 (1995).
149. “Exclusive Electron-Scattering from Deuterium at High Momentum-Transfer”, H.-J. Bulten, J. F. J. van den Brand, C. E. Jones, R. G. Arnold, P. E. Bosted, C. E. Keppel, A. Lung, S. E. Rock, M. Spengos, Z. M. Szalata, L. H. Tao, J. L. White, K. Coulter, D. Geesaman, R. J. Holt, H. E. Jackson, D. H. Potterveld, V. Papavassiliou, B. Zeidman, J. Arrington, E. Beise, E. Belz, B. W. Filippone, H. Gao, W. Lorenzon, B. Mueller, R. D. McKeown, T. G. O’Neill, M. Epstein, D. Margaziotis, N. C. R. Makins, R. Ent, M. Chapman, J.-O. Hansen, K. Lee, R. G. Milner (Co-spokesman), J. Nelson, J. Napolitano, E. Kinney, P. L. Anthony, F. S. Dietrich, K. van Bibber, R. A. Gearhart, G. G. Petratos, S. E. Kuhn, *Phys. Rev. Lett.* **74**, 4775 (1995).
150. “Transverse Longitudinal Asymmetry in the Quasi-elastic ${}^3\vec{H}e(\vec{e}, e')$ Reaction”, J.-O. Hansen, M. A. Titko, D. DeSchepper, G. Dodson, T. W. Donnelly, K. Dow, R. Ent, M. Farkhondeh, W. Korsch, L. H. Kramer, K. Lee, N. C. R. Makins, R. G. Milner (Co-spokesman), D. R. Tieger, T. P. Welch, C. E. Jones, J. Arrington, E. J. Beise, B. Bray, R. W. Carr, B. W. Filippone, H. Gao, A. Lung, B. Mueller, R. D. McKeown, M. L. Pitt, R.-W. Schulze, P. U. Sauer, E. Candell, J. Napolitano, B. B. Wojtsekhowski, C. Tripp, W. Lorenzon, *Phys. Rev. Lett.* **74**, 654 (1995).
151. “Two-Body Photodisintegration of the Deuteron up to 2.8 GeV”, J. E. Belz, P. Anthony, R. G. Arnold, J. Arrington, D. Beck, E. J. Beise, P. E. Bosted, H.-J. Bulten, M. S. Chapman, K. P. Coulter, F. Dietrich, R. Ent, M. Epstein, B. W. Filippone, H.-Y. Gao, D. F. Geesaman, J.-O. Hansen, R. J. Holt, H. E. Jackson, C. E. Jones, C. E. Keppel, E. R. Kinney, S. Kuhn, K. Lee, W. Lorenzon, A. Lung, N. C. R. Makins, D. J. Margaziotis, R. D. McKeown, Z. E. Meziani, R. G. Milner, B. Mueller, J. Napolitano, J. Nelson, T. G. O’Neill, V. Papavassiliou, G. G. Petratos, D. H. Potterveld, S. E. Rock, R. E. Segel, M. Spengos, Z. M. Szalata, L. H. Tao, K. van Bibber, J. F. J. van den Brand, J. L. White, and B. Zeidman, *Phys. Rev. Lett.* **74**, 646 (1995).

1994

152. “Measurement of the Neutron Magnetic Form Factor from Inclusive Quasi-elastic Scattering of Polarized Electrons from Polarized ^3He ”, H. Gao, J. Arrington, E.J. Beise, B. Bray, R. W. Carr, B. W. Filippone, A. Lung, B. Mueller, R. D. McKeown, M. L. Pitt, C. E. Jones, D. DeSchepper, G. Dodson, K. Dow, R. Ent, M. Farkhondeh, J.-O. Hansen, W. Korsch, L. H. Kramer, K. Lee, N. C. R. Makins, R. G. Milner, D. R. Tieger, T. P. Welch, E. Candell, J. Napolitano, B. B. Wojtsekhowski, C. Tripp, W. Lorenzon, *Phys. Rev. C* **50**, R546 (1994).
153. “Momentum Transfer Dependence of Nuclear Transparency from the Quasi-elastic $^{12}\text{C}(e,e'p)$ Reaction”, N. C. R. Makins, R. Ent, M. Chapman, J.-O. Hansen, K. Lee, R. G. Milner, J. Nelson, T. G. O’Neill, J. Arrington, E. Beise, E. Belz, B. W. Filippone, H. Gao, W. Lorenzon, B. Mueller, R. D. McKeown, R. G. Arnold, P. E. Bosted, C. E. Keppel, A. Lung, S. E. Rock, M. Spengos, Z. M. Szalata, L. H. Tao, J. L. White, K. Coulter, D. Geesaman, R. J. Holt, H. E. Jackson, D. H. Potterveld, V. Papavassiliou, B. Zeidman, M. Epstein, D. Margaziotis, J. Napolitano, E. Kinney, P. L. Anthony, F. S. Dietrich, K. van Bibber, R. A. Gearhart, G. G. Petratos, S. E. Kuhn J. F. J. van den Brand, H.-J. Bulten, C. E. Jones, *Phys. Rev. Lett.* **72**, 1986 (1994).

1993

154. “NMR calibration of optical measurement of nuclear polarization in ^3He ”, W. Lorenzon, T.R. Gentile, H. Gao and R.D. McKeown, *Phys. Rev. A* **47**, 468 (1993).