

Publications in Refereed Journals

2017

1. “Search for new spin-dependent interactions with SmCo₅ spin sources and a spin-exchange-relaxation-free comagnetometer”, Wei Ji, Changbo Fu, and Haiyan Gao, *Phys. Rev. D* **95**, 075014 (2017).
2. “First measurement of unpolarized semi-inclusive deep-inelastic scattering cross section from a ³He target”, X. Yan *et al.*, *Phys. Rev. C* **95**, 035209 (2017).
3. “Unveiling the nucleon tensor charge at Jefferson Lab: A study of the SoLID case”, Z. Ye *et al.*, *Phys. Lett. B* **767**, 91 (2017).

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4. “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).
5. “Measurements of d_2^n and A_1^n : Probing the neutron spin structure”, D. Flay *et al.*, *Phys. Rev. D* **94**, 052003 (2016).

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6. “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).
7. “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).
8. “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).
9. “Double spin asymmetries of inclusive hadron electroproduction from a transversely polarized ³He target”, Y.X. Zhao *et al.*, *Phys. Rev. C* **92**, 15207 (2015).
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11. “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. Meziane, *Eur. Phys. J. A* **51**, 1 (2015).

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15. “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).
16. 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).
17. “A frequency determination method for digitized NMR signals”, H. Yan, K. Li, R. Khatriwada, 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.
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22. “First Measurement of Spin-Dependent Double-Differential Cross Sections and the GDH Integrand from $^3\vec{\text{He}}(\vec{\gamma}, n)pp$ at Incident Photon Energies of 12.8 and 14.7 MeV”, G. Laskaris *et al.*, Phys. Rev. Lett. **110**, 202501 (2013).
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24. “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).
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