

Lamiaa El-Fassi
As of October 27th, 2017

PS: After joining Mississippi State Univ., Department of Physics and Astronomy in Aug. 2014.

1. *Photon beam asymmetry Σ in the reaction $\vec{\gamma}p \rightarrow p\omega$ for $E_\gamma = 1.152$ to 1.876 GeV*

CLAS Collaboration, P. Collins et al., Phys. Lett. B **773**:112-120, Oct. 2017.

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2. *Differential cross section measurements for $\gamma n \rightarrow \pi^- p$ above the first nucleon resonance region*

CLAS Collaboration, P. T. Mattione et al., Phys. Rev. C **96**:035204, Sept. 2017.

3. *Semi-Inclusive π_0 target and beam-target asymmetries from 6 GeV electron scattering with CLAS*

CLAS Collaboration, S. Jawalkar et al., arXiv **1709.10054**, Sept. 2017.

4. *Differential cross sections and polarization observables from CLAS K^* photoproduction and the search for new N^* states*

CLAS Collaboration, A. V. Anisovich et al., Phys. Lett. B **771**:142-150, Aug. 2017.

Citations: **1**

5. *Photon beam asymmetry Σ for η and η' photoproduction from the proton*

CLAS Collaboration, P. Collins et al., Phys. Lett. B **771**:213-221, Aug. 2017.

Citations: **3**

6. *Measurements of $epe'\pi^+\pi^-p'$ cross sections with CLAS at $1.40\text{GeV} < W < 2.0\text{GeV}$ and $2.0\text{GeV}^2 < Q^2 < 5.0\text{GeV}^2$*

CLAS Collaboration, E. L. Isupov et al., Phys. Rev. C **96**:025209, Aug. 2017.

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7. *Measurement of the helicity asymmetry E in $\omega \rightarrow \pi^+\pi^-\pi^0$ photoproduction*

CLAS Collaboration, Z. Akbar et al., arXiv **1708.02608**, Aug. 2017.

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8. *First Exclusive Measurement of Deeply Virtual Compton Scattering off ^4He : Toward the 3D Tomography of Nuclei*

CLAS Collaboration, M. Hattawy et al., arXiv **1707.03361**, Jul. 2017.

9. *Beam-Target Helicity Asymmetry for $\vec{\gamma}\vec{n} \rightarrow \pi^- p$ in the N^* Resonance Region*

CLAS Collaboration, D. Ho et al., Phys. Rev. Lett. **118**:242002, June 2017.

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10. *Determination of the Proton Spin Structure Functions for $0.05 < Q^2 < 5 \text{ GeV}^2$ using CLAS*

CLAS Collaboration, R. Fersch et al., arXiv **1706.10289**, June 2017.

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11. *A Radial Time Projection Chamber for α detection in CLAS at JLab*

R. Dupré et al., arXiv **1706.10160**, June 2017.

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12. *The SeaQuest Spectrometer at Fermilab*

SeaQuest Collaboration, C. A Aidala et al., arXiv **1706.09990**, June 2017.

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13. *Extraction of the Neutron Electric Form Factor from Measurements of Inclusive Double Spin Asymmetries*

Jefferson Lab Hall-A Collaboration, V. Sulkosky et al., arXiv **1704.06253**, Apr. 2017.

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14. *A Glimpse of Gluons through Deeply Virtual Compton Scattering on the Proton*

Jefferson Lab Hall-A Collaboration, M. Defurne et al., arXiv **1703.09442**, March 2017.

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15. *Exclusive η electroproduction at $W > 2$ GeV with CLAS and transversity generalized parton distributions*

CLAS Collaboration, I. Bedlinskiy et al., Phys. Rev. C **95**:035202, March 2017.

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16. *First measurement of unpolarized SIDIS cross section and cross section ratios from a ^3He target*

Jefferson Lab Hall-A Collaboration, X. Yan et al., Phys. Rev. C **95**:035209, March 2017.

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17. *Target and beam-target spin asymmetries in exclusive pion electroproduction for $Q^2 > 1$ GeV 2 . II. $ep \rightarrow e\pi^0 p$*

CLAS Collaboration, P. E. Bosted et al., Phys. Rev. C **95**:035207, March 2017.

18. *Target and Beam-Target Spin Asymmetries in Exclusive Pion Electroproduction for $Q^2 > 1$ GeV 2 . I. $ep \rightarrow e\pi^+ n$*

CLAS Collaboration, P. E. Bosted et al., Phys. Rev. C **95**:035206, March 2017.

19. *Rosenbluth separation of the π^0 Electroproduction Cross Section off the Neutron*

Jefferson Lab Hall-A Collaboration, M. Mazouz et al., arXiv **1702.00835**, Feb. 2017.

20. *Beam-target double-spin asymmetry in quasielastic electron scattering off the deuteron with CLAS*

CLAS Collaboration, M. Mayer et al., Phys. Rev. C **95**:024005, Feb. 2017.

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21. *Rosenbluth separation of the π^0 electroproduction cross section*

Jefferson Lab Hall-A Collaboration, M. Defurne et al., Phys. Rev. Lett. **117**:262001, Dec. 2016.

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22. *Target and beam-target spin asymmetries in exclusive π^+ and π^- electroproduction with 1.6- to 5.7-GeV electrons*

CLAS Collaboration, P. E. Bosted et al., Phys. Rev. C **94**:055201, Nov. 2016.

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23. *Measurement of Target and Double-spin Asymmetries for the $\vec{e}\vec{p} \rightarrow e\pi^+(n)$ Reaction in the Nucleon Resonance Region at Low Q^2*

CLAS Collaboration, X. Zheng et al., Phys. Rev. C **94**:045206, Oct. 2016.

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24. *Measurements of d_2^n and A_1^n : Probing the neutron spin structure*

Jefferson Lab Hall-A Collaboration, D. Flay et al., Phys. Rev. D **94**:052003, Sept. 2016.

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25. *A Search for the LHCb Charmed 'Pentaquark' using Photo-Production of J/ψ at Threshold in Hall C at Jefferson Lab*

Z. E. Meziani et al., arXiv **1609.00676**, Sept. 2016.

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26. *Dark Matter Search in a Beam-Dump eXperiment (BDX) at Jefferson Lab*

M. Battaglieri et al., arXiv **1607.01390**, Jul. 2016.

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27. *Photoproduction of Λ and Σ^0 hyperons using linearly polarized photons*

CLAS Collaboration, C. A. Paterson et al., Phys. Rev. C **93**:065201, June 2016.

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28. *Photoproduction of the $f_1(1285)$ Meson*

CLAS Collaboration, R. Dickson et al., Phys. Rev. C **93**:065202, June 2016.

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29. *First measurement of the helicity asymmetry E in η photoproduction on the proton*
 CLAS Collaboration, I. Senderovich et al., Phys. Lett. B **755**:64-69, Apr 2016.
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30. *Measurement of two-photon exchange effect by comparing elastic $e^\pm p$ cross sections*
 CLAS Collaboration, D. Rimal et al., arXiv **1603.00315**, Mar 2016.
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31. *Target and Double Spin Asymmetries of Deeply Virtual π^0 Production with a Longitudinally Polarized Proton Target and CLAS*
 CLAS Collaboration, A. Kim et al., arXiv **1511.03338**, Dec 2015.
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32. *Precise determination of the deuteron spin structure at low to moderate Q^2 with CLAS and extraction of the neutron contribution*
 CLAS Collaboration, N. Guler et al., Phys. Rev. C **92**:055201, Nov 2015.
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35. *Search for baryon-number and lepton-number violating decays of hyperons using the CLAS detector at Jefferson Laboratory*
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36. *Measurement of the Target-Normal Single-Spin Asymmetry in Quasi-Elastic Scattering from the Reaction ${}^3\text{He}^\uparrow(e, e')$*
 Jefferson Lab Hall-A Collaboration, Y. W. Zhang et al., Phys. Rev. Lett. **115**:172502, Oct 2015.
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37. *Double Spin Asymmetries of Inclusive Hadron Electroproductions from a Transversely Polarized ${}^3\text{He}$ Target.*
 Jefferson Lab Hall-A Collaboration, X. Y. Zhao et al., Phys. Rev. C **92**:015207, July 2015.
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38. *Determination of the beam-spin asymmetry of deuteron photodisintegration in the energy region $E = 1.1 - 2.3$ GeV*
 CLAS Collaboration, N. Zachariou et al., Phys. Rev. C **91**:055202, May 2015.
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39. *Precision Measurements of A_1^n in the Deep Inelastic Regime.*
 Jefferson Lab Hall-A Collaboration, D. S. Parno et al., Phys. Lett. B **744**:309-314, May 2015.
 Citations: **14**

40. *Measurements of $ep \rightarrow e'\pi^+n$ at $W = 1.6 - 2.0$ GeV and extraction of nucleon resonance electrocouplings at CLAS.*
 CLAS Collaboration, K. Park et al., Phys. Rev. C **91**:045203, Apr 2015.
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41. *Measurement of Parity-Violating Asymmetry in Electron-Deuteron Inelastic Scattering.*
 PVDIS Collaboration, D. Wang et al., Phys. Rev. C **91**:045506, Apr 2015.
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42. *Single and double spin asymmetries for deeply virtual Compton scattering measured with CLAS and a longitudinally polarized proton target*

CLAS Collaboration, S. Pisano et al., Phys. Rev. D **91**:052014, Mar 2015.

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Jefferson Lab Hall-A Collaboration, M. Mihovilovic et al., Phys. Rev. Lett. **113**:232505, Dec 2014.

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Moller Collaboration, J. Benesch et al., arXiv:**1411.4088**, Dec 2014.

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47. *Single spin asymmetries in charged kaon production from semi-inclusive deep inelastic scattering on a transversely polarized ^3He target.*

Jefferson Lab Hall-A Collaboration, Y. X. Zhao, Phys. Rev. C **90**:055201, Nov 2014.

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50. *Momentum sharing in imbalanced Fermi systems.*

CLAS Collaboration, O. Hen et al., Science **346**:614-617, Oct 2014.

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51. *Induced polarization of $\Lambda(1116)$ in kaon electroproduction.*

CLAS Collaboration, M. Gabrielyan et al., Phys. Rev. C **90**:035202, Sep 2014.

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52. *Exclusive π^0 electroproduction at $W > 2$ GeV with CLAS.*

CLAS Collaboration, I. Bedlinskiy et al., Phys. Rev. C **90**:025205, Aug 2014.

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53. *Precision measurements of g_1 of the proton and the deuteron with 6 GeV electrons.*

CLAS Collaboration, Y. Prok et al., Phys. Rev. C **90**:025212, Aug 2014.

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PS: Before joining Miss. State Univ., Department of Physics and Astronomy, in Aug. 2014.

54. *A Precision Measurement of the Neutron Twist-3 Matrix Element d_2^n : Probing Color Forces.*

Jefferson Lab Hall-A Collaboration, M. Posik et al., Phys. Rev. Lett.**113**:022002, Jul 2014.

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57. *Dark matter search in a Beam-Dump eXperiment (BDX) at Jefferson Lab.*
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62. *Spin and parity measurement of the $\Lambda(1405)$ baryon*

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64. *Beam asymmetry for π^+ and π^0 photoproduction on the proton for photon energies from 1.102 to 1.862 GeV.*

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65. *Differential Photoproduction Cross Sections of the $\Sigma^0(1385)$, $\Lambda(1405)$, and $\Lambda(1520)$.*

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78. *Measurement of Exclusive π^0 Electroproduction Structure Functions and their Relationship to Transversity GPDs.*

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82. *Evidence for the Onset of Color Transparency in ρ^0 Electroproduction off Nuclei.*

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90. *Single Spin Asymmetries in Charged Pion Production from Semi-Inclusive Deep Inelastic Scattering on a Transversely Polarized ^3He Target.*
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