

Abstract Submitted
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Investigating Neutron Polarizabilities Through Compton Scattering on Light Nuclei DEEPSHIKHA SHUKLA, George Washington University
— This talk will focus on elastic Compton scattering on deuteron and He-3 as an instrument to extract the neutron polarizabilities. The calculations for this process have been performed for photon energies comparable to the pion mass within the framework of Chiral effective field theory. The results show that these computations, when used in concert with future data from MAXLab and HIGS, should give significant new information about the neutron polarizabilities.

Deepshikha Shukla
George Washington University

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