

Joint 20th International Workshop on Hadron Structure and Spectroscopy and 5th workshop on Correlations in Partonic and Hadronic Interactions



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Study of Hadronization Dynamics via Electroproduction off Nuclei at Jefferson Lab

Monday 30 September 2024 15:00 (30 minutes)

In this talk, I will highlight recent semi-inclusive deep inelastic scattering (SIDIS) studies carried out at Jefferson lab to probe hadronization mechanisms and associated medium modifications of the underlying structure of atomic nuclei, with a focus on the first-ever SIDIS Lambda production in the current and target fragmentation regions. These new results, alongside the lately collected CLAS12 quark propagation data, will effectively improve our understanding of fragmentation mechanisms related to color propagation and hadron formation in cold nuclear matter and provide potential insights into quark-diquark correlations in the nucleon, light, and strange baryon structures.

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