

XXVI International Workshop on Deep Inelastic Scattering and Related Subjects



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Nuclear medium studies using DIS experiments with CLAS/CLAS12 at JLab, present and future

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Jefferson lab's (JLab) CEBAF (now upgraded CEBAF12) accelerator's fixed target experiments give an unique opportunity to study a wide range of phenomena in nuclear medium using Deep Inelastic Scattering (DIS) measurements. Particularly CLAS Eg2 experiment, where different types of nuclei were exposed to electron beam, have provided important information for nuclear hadronization, hadronic and nuclear correlations, hadronic structure functions studies. These studies are fundamental for better understanding of the confinement in the nuclear medium and the essentials of nuclear structure. Apart of showing the results from already existing data, future plans will be discussed also, particularly already approved a new experiment with upgraded CLAS12, and future experiments in EIC (Electron Ion Collider).

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