

XXVI International Workshop on Deep Inelastic Scattering and Related Subjects



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Overview of GPD program from Jefferson Lab

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Jefferson Laboratory has an extensive program of Deep Virtual Exclusive Scattering (DVES). I will review salient results from the 6 GeV era, and present the status and goals of both Deep Virtual Compton Scattering (DVCS) and Deep Virtual Meson Production (DVMP). A set of DVCS and exclusive π^0 measurements from 7 to 11 GeV have been completed in Hall A. A first JLab observation of J/Ψ photo-production has been reported by the GlueX collaboration in Hall D. DVCS measurements and exclusive vector meson production at 10.6 GeV on the proton are starting this Spring with CLAS12 (Hall B). DVES experiments on a new longitudinally polarized NH_3/ND_3 target are anticipated in the next few years. A new PbWO_4 calorimeter is under construction for future measurements in Hall C. These data will provide new insights on the spatial distribution of quarks and gluons at large- x , as well as higher-twist quark-gluon correlations.

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