

Abstract Submitted  
for the DNP13 Meeting of  
The American Physical Society

**Near Threshold Electroproduction of J/psi with SoLID at Jefferson Lab** ZHIWEN ZHAO, University of Virginia, SOLID COLLABORATION — An experiment of measuring the electroproduction of J/psi meson cross section off a proton target near threshold is under preparation at Jefferson Lab. The high luminosity at the energy upgraded JLab together with the large acceptance of the SoLID spectrometer in Hall A allows a fully exclusive measurement of this process with an 11 GeV electron beam. The measurement is sensitive to the non-perturbative gluonic interaction between the J/psi and nucleon and might reveal an enhancement of the cross section just above threshold. Such a measurement would open a new window to study QCD in the non-perturbative region using charmonium.

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Date submitted: 30 Jun 2013

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