

# Near Threshold Pion Electroproduction at High $Q^2$

Puneet Khetarpal  
*Rensselaer Polytechnic Institute*  
*Troy, NY*

Near threshold pion electroproduction as a function of  $Q^2$  can be written in terms of new form factors. These new generalized form factors  $G_1^{\pi N}$  and  $G_2^{\pi N}$  have been predicted using light cone sum rules in the chiral limit for the reactions  $ep \rightarrow eN\pi$  in the  $Q^2$  1-10 GeV<sup>2</sup> range. An experiment at Jefferson Lab has been conducted using the CLAS spectrometer to measure near threshold pion electroproduction as a function of  $Q^2$ . Preliminary differential cross sections will be presented.