



**THE GEORGE  
WASHINGTON  
UNIVERSITY**  
WASHINGTON, DC

# **NUCLEAR SEMINAR**

**Corcoran Hall 413**  
**Tue 11/05/19 16:00-17:00**

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(GWU)

## **Semi Inclusive Deep Inelastic Scattering with CLAS12**



„A large part of the CLAS12 experimental program is dedicated to the study of mesons electroproduction via semi-inclusive deep inelastic scattering. This process is of high interest for obtaining a multi-dimensional description of the nucleon structure through transverse momentum partonic fragmentation and distribution functions. The achieved high luminosity, together with the detector's large acceptance, allow obtaining a truly multidimensional description of the nucleon structure in a large kinematic domain with unprecedented statistical precision. In this talk, the current performance of the detector together with preliminary results will be presented.”

