**Physics Seminar**

**Dr. Voica Radescu**

**Deutsches Elektronen – Synchrotron (DESY)**

*“Latest Developments with Parton Distributions Functions”*

Abstract

*In the era of searching for new discoveries, it is crucial to achieve a higher level of precision in understanding the proton structure to allow for most unambiguous interpretations of the high energy, luminous data ahead. The knowledge of proton's constituents mainly comes from the deep inelastic scattering HERA, fixed target, Tevatron and, increasingly precise LHC data. A guided tour of the road-map that marks the most recent measurements from past, present, and possible future experiments sensitive to the proton constituents will be presented here.*

**Wednesday, January 7, 2015**

**11:00 am**

**CEBAF Center – Room F113**