

**Speaker: Dr. Miaoyuan Liu (Duke University)**

**Time: 11:00 am, December 19, 2014**

**Place: Room B324**

**Organized by the Experimental Physics Division**

**Abstract:** The speaker will report the measurement of the triple gauge boson production process *pp*→*W*(*ℓν*)*γγ*, at a center-of-mass energy of 8 TeV at the LHC. The fiducial cross section is measured in a data sample corresponding to an integrated luminosity of 20.3 fb−1, collected by the ATLAS detector in 2012. Events are selected using the *W* boson decay to electrons or muons as well as requiring two isolated photons. The measured cross section is compared to the most precise predictions available and is used to set limits on anomalous quartic gauge couplings.

**ATLAS results on the *Wγγ* cross section and anomalous quartic gauge couplings**

***\*\*Food and drinks will be served after the seminar.\*\****

**EPD Seminar**