

**Abstract:**

The ATLAS detector is one of the 2 general purpose detectors at the Large Hadron Collider (LHC) at CERN. It was designed to enable the search for the Higgs boson which gives other particles their mass, and for direct searches for new physics beyond the Standard Model. I will describe the current development work within the UK on the mechanics of the future barrel strip detector, in particular the design, prototyping and testing of the barrel strip stave assembly, stave mounting and global structure.

**ATLAS UPGRADE II Strip Detector Mechanics**

**Speaker: Dr. Stephanie Qing Yang (University of Oxford)**

**Time: 11:00 am, July 25, 2014**

**Place: Room B324**

**Organized by the Experimental Physics Center**

**EPC Seminar**

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