

**Speaker: Dr. Jiahang Zhong(University of Oxford, Particle Physics Department)**

**Time: 11:00am, 13th July, 2015**

**Place: Room B424**

**Organized by the Experimental Physics Division**

**Abstract:** One of the most important missions of the LHC physics programme is to search for new physics Beyond the Standard Model (BSM) at the unprecedented energy frontier. Massive BSM particles are often expected to decay into heavy Standard Model (SM) particles such as top quarks, vector bosons, and newly discovered Higgs bosons. As these searches of BSM particles are reaching TeV-scale mass range, new challenges and opportunities arise from the so-called "boosted scenarios", where the decay products of heavy SM particles become highly collimated. In this talk we are going to discuss the latest developments of boosted techniques and their applications in BSM searches in the ATLAS experiment.

**Searches for BSM physics with boosted objects in ATLAS**

***\*\*Foodand drinks will be served after the seminar.\*\****

**EPD Seminar**