Title: Dr.

Lecturer: Jamie Boyd

Date and Times:

- Wednesday 20th July from 09:15 am to 10:00 am
- Thursday 21st July from 09:15 am to 10:00 am
- Friday 22nd July from 09:15 to 10:00 am

Summary of the proposed talk: From raw data to physics

I will go through the basics of physics object reconstruction and how the physics objects are used in final physics analysis. I will concentrate on examples of how this is done in the ATLAS and CMS general purpose experiments at the LHC.

Prerequisite knowledge and references:

Basic particle physics, experimental physics and some computing knowledge

Biography

Brief CV:

PhD: BABAR experiment, working on CP violation measurements in B decays. Research Assistant: BABAR experiment, working on the hardware trigger upgrade project. CERN fellow: ATLAS experiment, working on trigger commmissioning, supersymmetry search analysis. CERN staff: ATLAS experiment, working on data preparation