

SUMMER STUDENT LECTURE PROGRAMME 2019

Lecture Title **The Particle World; an introduction to particle physics**

Lecturer's name **Tara Shears**

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Short CV

I am an experimental particle physicist, and test Standard Model predictions at the high energy frontier using data taken by the LHCb experiment. My career started on the OPAL experiment in LEP, where I worked on measurements of B hadron lifetime and electroweak boson production. I also worked on the trigger system, and in parallel worked on an early prototype of the ATLAS HLT trigger. In 2000 I joined the CDF experiment and searched (unsuccessfully) for New Physics in topologies containing b jets and photons. In 2004 I joined the LHCb experiment and developed a programme of electroweak physics. I currently lead the Liverpool University LHCb group.

Office hours
(hour/place - if relevant)

Pre-requisites:
earlier series of lectures
that the students
should follow

Other pre-requisites: