



INTERNATIONAL PARTICLE PHYSICS MASTERCLASS

Friday 8th March 2019

Schedule

From 9.30 **Arrival and welcome in Bridge Study Room (2nd floor, Poynting Building)**

Free tea/coffee/juice available

10.30 - 11.45 **Talks in Bridge Study Room (2nd floor, Poynting Building)**

Talk 1 Introduction to Particle Physics & Accelerators (Prof David Evans)

Talk 2 The LHCb experiment at the Large Hadron Collider (Dr Phil Ilten)

11.45 - 13.30 **Computing activity in Room P09 (Ground floor, Poynting Building)**

Measure the lifetime of incredibly short-lived particles using real data from the LHCb experiment – an opportunity to use computer software to gain insights into detector technology and research techniques.

13.30 - 14.10 **LUNCH in the Bridge Study Room (2nd floor, Poynting Building)**

Lunch is available to purchase on campus or students can bring a packed lunch.

14.10 - 14.25 **Discussion on the Physics Measurements in the Bridge Study Room**

Announcement of results from the morning's computer activities.

14.25 - 14.55 **Small Group Discussions in the Bridge Study Room**

Break up into small discussion groups, led by a particle physics researcher.

15.00 - 16.00 **Live link to CERN in Nuffield G13 (ground floor, Nuffield Building)**

Discussion with physicists at CERN and other schools.

16:00 **Departures**