



## **Particle Physics Research Group**

The Particle Physics Group at Birmingham continue to have significant involvement with the ATLAS, ALICE, LHCb experiments in the LHC ring and are very involved with new initiatives in particle physics outreach and school liaison activities.

On Friday 8th March 2019 another successful International Masterclass for year 12 students took place, involving 45 students and teachers from five different schools across the UK. The annual tradition of a live video-link to CERN was arranged and particle physics colleagues were able to give an update on the latest developments and answer students' questions!

During the day students enjoyed talks from research staff, took part in a hands-on computing activity using the LHCb software and contributed to discussion sessions and Q&A sessions with academics.

Feedback on the event is always very positive. Some comments from students and teachers who took part, can be seen below:

- Student: One of the more fascinating aspects of the day was hearing about some of the future developments in the area of particle physics, such as research being done regarding the dark photon in addition to an increased understanding of charm quarks.

- Student: The linked video conference with other institutions around the world felt engaging and collaborative.
- Teacher: Overall a very good day and very pleased with the assistance given to students.



