

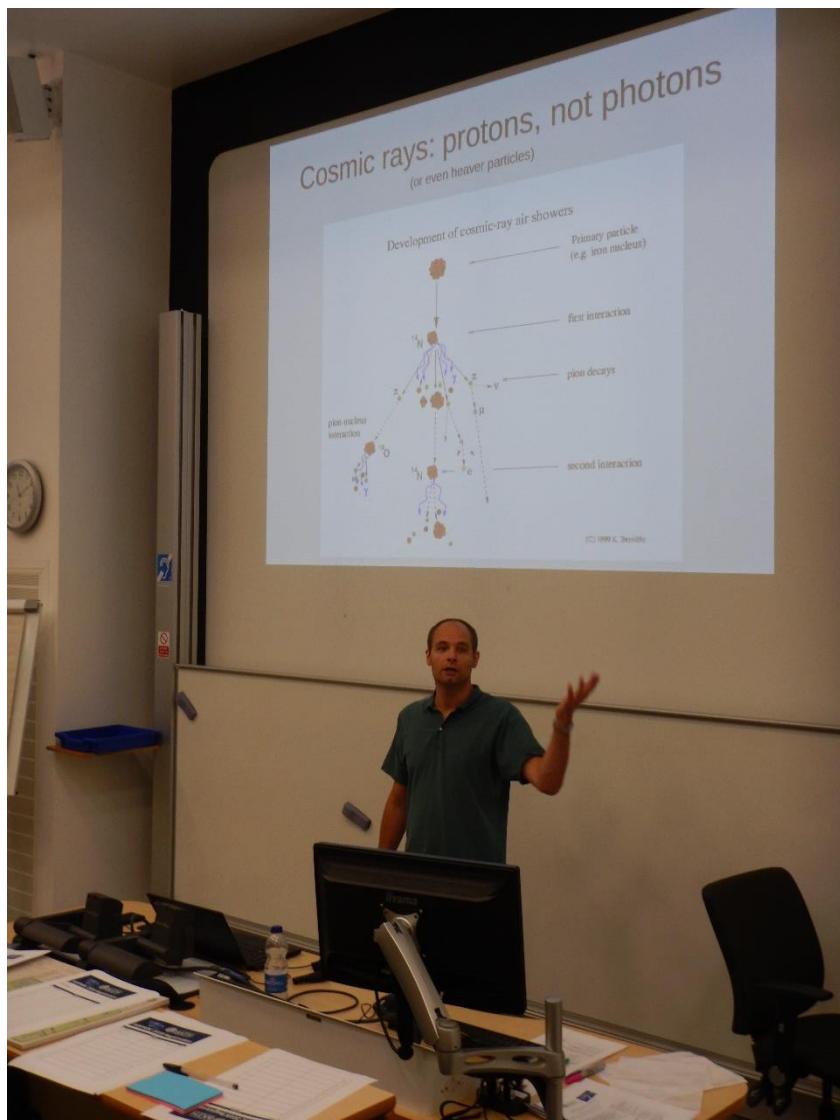


HiSPARC Update – July 2018

HiSPARC is a project in which secondary schools and academic institutions join forces and form a network to measure cosmic rays with extremely high energy. HiSPARC offers high school students the opportunity to participate in real research, with the purpose of finding out more about these mysterious and rare cosmic particles. High Schools purchase cosmic ray detectors and students install these on the roofs of their school. All HiSPARC detectors are connected to a central computer at the scientific institute Nikhef in Amsterdam through the internet, forming a large network. The project is coordinated from Nikhef in Amsterdam.

This year we linked with more high schools in the Midlands, which brought our school-collaboration total, to thirteen schools. King Edward VI Camp Hill Boys is now in the process of setting up their own detector.

This year the 6th annual HiSPARC conference was held at the University of Bath. The event was opened with a welcome note from Dr Alex Narduzzo. A talk followed afterwards, by Dr Hendrik van Eerten on “Cosmic rays and the explosive Universe”. A total of six groups and individuals presented their work in front of academics and school audiences. Research included investigations of the effect of atmospheric pressure on the cosmic ray flux, an alternative method of calculating the primary particle angle, locating sources of cosmic rays over Western Europe and many more.







Gold silver and bronze certificates were awarded to the best researchers and the event closed with the presentation of awards. The research that was presented in the 6th HiSPARC conference will appear soon at

<https://wikis.bris.ac.uk/display/HiSparc/HiSPARC>