

From Raw Data to Physics Results

Friday, 26 July 2019 12:30 (1h 15m)

Modern nuclear and particle physics experiments generate huge amounts of data that need to be calibrated, processed and analysed so that we can extract and publish physics results. In this talk I will describe the journey of data, from the bits that leave the detectors through its transformation into well-understood physics objects that are analysed by physicists all over the world. We will look in particular at how this exabyte scale problem requires computing and software solutions that operate on a global scale, and take a look at the challenges that still lie ahead of us.

Presenter: LAYCOCK, Paul (Brookhaven National Laboratory)