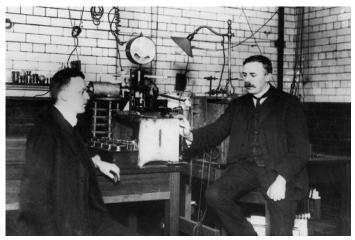
MANCHESTER 1824

The University of Manchester





City famous for political innovation, The Industrial Revolution, First Computers, Football, Music & Science

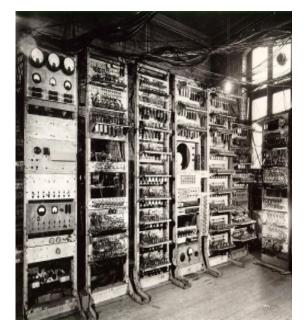
Largest Physics Department (1060 UG, 350 PhD) & university (41,000 students) in the the UK.

Long distinguished history: Joule, Rutherford, Moseley, Bragg, Blackett, Lovell (Mott, Bethe, Chadwick, Wilson, Thomson, Bohr, Cockcroft): 13 Nobel Prizes, 2 current









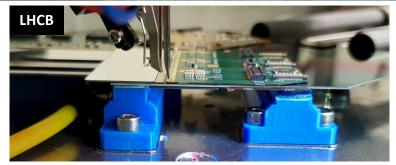


Physics & Astronomy Department has over 100 faculty

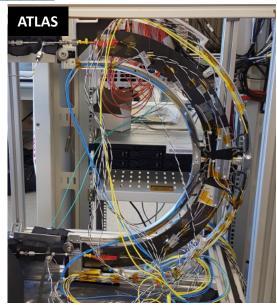
- income ~ £30M/pa (£18M/pa research)

Particle Physics Group

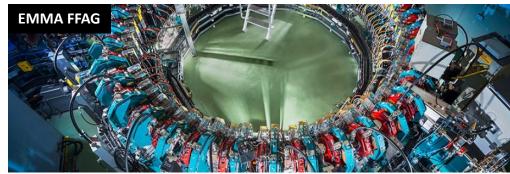
- 60 PhD students
- 21 Faculty (theory + experiment)
- 35 RAs/technical staff



- Microboone/SBND, Minos+
- SuperNEMO, Darkside
- g-2, Mu2e, BES-III

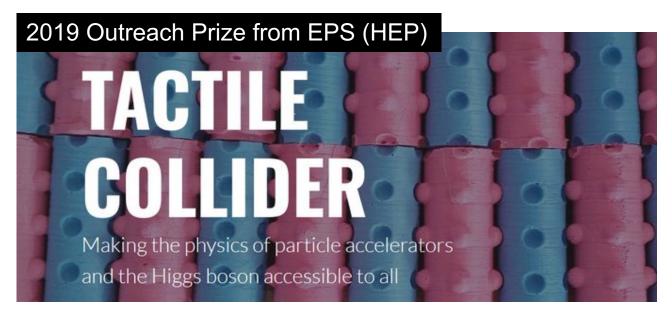


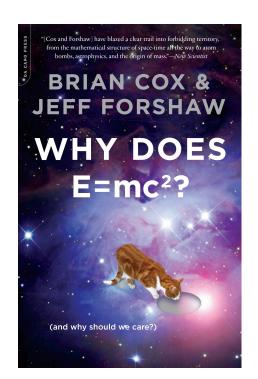


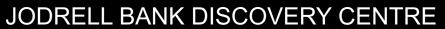


& close collaboration with accelerator scientists at the Cockcroft Institute (Daresbury)

Significant outreach activities within the group

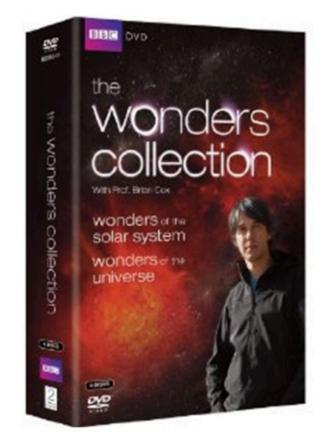












INTENSE

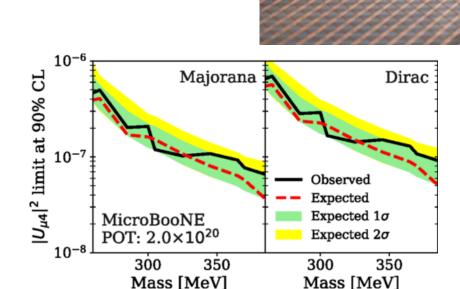
Neutrino and Muon research centred at Fermilab

SBND

- Constructing APAs (also for DUNE)
- Cryogenic stress testing of electronics
- Light-yield simulation
- NN reconstruction algorithms

MicroBoone

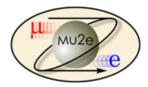
- ν_e ${
 m Ar}$ cross sections
- Sterile neutrino analysis



Mu2e

- Commissioning of the HPGe stopping target monitor (STM): DAQ, slow-control and collimators
- Alignment and calibration of straw trackers

INTENSE: ESR



- Commissioning of the Mu2e STM HPGe X-ray detector
- Development of the FPGA pulse finding and zero suppression algorithms
- Offline pulse finding algorithms
- Alignment and calibration of the Mu2e straw trackers
- Beamtest of the STM detector
- Online DQM for the STM detector
- First analysis of the STM data



Advert has been live on the Manchester HR site since Sep-30 and also the EurAxess and Inspire web-pages

