

## Particle and Nuclear Physics

### **Particle Physics** (<http://www.ep.ph.bham.ac.uk/>)

- **Energy Frontier Physics** - testing theory and searching for new physics such as the Higgs boson at ATLAS.
- **CP Violation** - Investigating the origins of the matter-antimatter asymmetry in the universe at LHCb.
- **Precision Flavour Physics** - Probing ultra-rare decays of particles containing strange quarks at NA62.

### **Nuclear Physics** (<http://www.np.ph.bham.ac.uk/>)

- Researching properties of nuclei and their constituents using radioactive beams, laser spectroscopy and ultra-relativistic heavy-ion collisions.