



UNIVERSITY OF
BIRMINGHAM

SCHOOL OF
PHYSICS AND
ASTRONOMY

Ph.D. STUDENTSHIPS IN EXPERIMENTAL PARTICLE PHYSICS

The Birmingham Particle Physics group is looking for candidates to join our group as fully funded PhD students in the academic year 2023/2024.

The Physics Department is one of the largest physics departments in the country with a high profile for research both in the UK and internationally, covering a wide range of topics offering exciting challenges at the leading edge of physics and astronomy.

The Particle Physics group is one of the oldest in the country and currently has 10 academic staff, 20 post-doctoral researchers, 3 support staff and around 30 research students. Our present activities include ATLAS and LHCb at the LHC, NA62 on the CERN SPS, and the DUNE future long-baseline neutrino experiment. We have a 200 m² set of clean room facilities for silicon detector R&D and construction, and maintain a significant Tier 2 site on the UK GridPP contribution to LHC world-wide distributed computing. Our members lead several high-profile physics analyses in ATLAS, NA62 and LHCb, pursue ground-breaking research in detector and electronics development, and are leaders in public engagement.

Opportunities this year include projects in

- the ATLAS, NA62, LHCb, and DUNE experiments;
- novel detectors for light dark matter searches at the NEWS-G experiment;
- work towards future colliders (electron-proton/ion colliders, electron-positron and proton-proton colliders);
- development of silicon detectors for LHC upgrades and beyond, and medical applications.

For further information please visit:

<http://www.hep.ph.bham.ac.uk/index.php?page=exp/phdentry/index>

Informal enquiries can be made to Dr. Laura Gonella (l.gonella@bham.ac.uk).

Application must be submitted using the link above.

Non-UK nationals are encouraged to get in touch to discuss funding opportunities.

The Physics Department holds a Silver Athena SWAN Charter Award and it is committed to promote Equality and Diversity.

Valuing excellence, sustaining investment.