



UNIVERSITY OF BIRMINGHAM

RESEARCH FELLOW POSITION IN THE ATLAS EXPERIMENT

REFERENCE NO: 81087

The University of Birmingham Particle Physics group has a Research Fellow vacancy funded for up to 3 years. The successful applicant will work on the ATLAS experiment at the CERN Large Hadron Collider and will play a leading role in advancing our understanding of the Higgs sector. We are particularly interested in consolidating and further developing our analysis portfolio in the area of Higgs boson interactions with fermions, measurements of Higgs boson differential cross-sections, and searches for additional Higgs bosons. The successful candidate will be part of a vibrant group and will have the possibility to supervise Ph.D. and M.Sc. students. More information about our Higgs boson-related activities can be found here: <http://www.ep.ph.bham.ac.uk/index.php?page=exp/ATLAS/HiggsPhysics>

The Particle Physics group currently has 12 academic staff, 15 post-doctoral researchers, 3 support staff and 21 research students. Our present activities include ATLAS and LHCb at the LHC, NA62 on the CERN SPS, the NEWS-G experiment at SNOLab, and the DUNE future long-baseline neutrino experiment. We have a 200m² 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.

The School of Physics and Astronomy is one of the largest in the UK, with a wide-ranging research portfolio, and is consistently highly ranked for excellence in both research and teaching. It takes in around 130 undergraduates per year and has over 100 academic and research staff, 120 graduate students and 35 technical support staff.

A PhD in Particle Physics and experience of programming in C++ is essential for this post. Experience of data analysis in the ATLAS environment is desirable. The applicant must enjoy independent research as well as working in a team and must be willing to travel and spend periods at CERN.

Potential applicants are encouraged to obtain further information about the post from:

Prof Kostas Nikolopoulos

Email: k.nikolopoulos@bham.ac.uk

Consideration of applications will begin June 6th, 2019 and continue until the position is filled.

To download the further details and submit an online application, please visit:

www.hr.bham.ac.uk/jobs or

<https://www.jobs.ac.uk/job/BRR671/research-fellow-atlas-higgs>

Alternatively, information can be obtained by calling 0121 415 9000.