



UNIVERSITY OF  
BIRMINGHAM



European Research Council  
Established by the European Commission

**TWO RESEARCH FELLOW POSITIONS IN EXPERIMENTAL PARTICLE PHYSICS  
REFERENCE NO: 56942**

The Birmingham Particle Physics group has two (2) Research Fellow vacancies on the ExclusiveHiggs project, funded by the European Research Council, searching for New Physics in first and second generation quark Yukawa couplings. The successful applicants will work on the ATLAS experiment at the CERN Large Hadron Collider and will play a leading role in advancing our understanding of the mechanism of fermion mass generation. The successful applicants will also have the opportunity to supervise M.Sc. and Ph.D. students in the area.

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 newly opened 200m<sup>2</sup> 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++ will be essential for this post. Experience of data analysis in the ATLAS environment will be 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:

Dr Kostas Nikolopoulos  
Email: [k.nikolopoulos@bham.ac.uk](mailto:k.nikolopoulos@bham.ac.uk)

To download the further details and submit an online application, please visit:  
[www.hr.bham.ac.uk/jobs](http://www.hr.bham.ac.uk/jobs) or  
<http://www.jobs.ac.uk/job/BBJ413/two-research-fellow-positions-in-experimental-particle-physics/>  
Alternatively information can be obtained by calling 0121 415 9000.

**Closing date for applications: Sunday 11<sup>th</sup> June 2017**