



## Post-doctoral research associate in particle physics

Applications are invited for a Research Associate to work as part of the ATLAS Group in the Department of Physics and Astronomy at the University of Sheffield ([www.sheffield.ac.uk/physics/research/atlas](http://www.sheffield.ac.uk/physics/research/atlas)). We are looking to recruit an experienced and enthusiastic research associate to join group activities in the area of searches for SUSY top and bottom squarks with fully hadronic final states. This post arises from the award of an ERC Advanced Grant (LHCDMTOP: Novel Dark Matter Searches with Top Quarks at the Large Hadron Collider) to Professor Dan Tovey.

You will hold a PhD or be close to completion in particle physics or a related discipline or will have the equivalent experience. You will also be experienced in particle physics data analysis using C++, ROOT and possibly ATHENA. You will have recent experience of SUSY particle searches with missing transverse energy at the LHC, and possibly experience of searches for 3rd generation squarks in particular. Status as an existing qualified ATLAS author is desirable but not mandatory. You will be expected to develop and maintain a high profile within ATLAS by contributing effectively to central SUSY working group activities, and also to supervise PhD students working in this area. You will also be required to undertake service work for the collaboration, and also to carry out a share of shifts and operation tasks.

The post is available immediately on a fixed term basis until 30 April 2020. Applications from those who wish to be based at CERN are welcome.

For more details about the post and the university please go to <https://www.jobs.ac.uk/job/BRU895/research-associate>

Further details can be found in the linked document 'About the Job' after clicking 'Apply' at the top of the page.

For informal enquiries, please contact Prof. Dan Tovey ([d.r.tovey@sheffield.ac.uk](mailto:d.r.tovey@sheffield.ac.uk))