

## Job description

<b>Post title and post number</b>	Research Fellow - 52303
<b>Organisation advertising Description</b>	School of Physics & Astronomy
<b>Post number</b>	52303
<b>Full-time/Part-time</b>	Full-time
<b>Duration of post</b>	12 months
<b>Post is open to:</b>	Internal and external candidates
<b>Grade</b>	7
<b>Salary</b>	Starting salary £28,132 a year, in the range up to £36,661 a year, with potential progression to £38,907 a year.
<b>Additional information</b>	For informal enquiries please contact Professor Paul Newman, prn@hep.ph.bham.ac.uk
<b>Terms and conditions</b>	<a href="#">Research and Analogous Staff (non-clinical)</a>
<b>Closing date</b>	27 <sup>th</sup> July 2014

## Job summary

To contribute to the achievement of the research group's strategy by undertaking analysis of data from the ATLAS experiment in the area of strong interactions and diffractions.

## Main duties

The responsibilities include:

- To analyse and interpret ATLAS data
- To contribute to ATLAS hardware development
- To present research findings in publications, research seminars, etc.
- To contribute to the development of new techniques and methods
- To develop further research objectives and proposals (with assistance of a mentor if required)
- To provide guidance to research students
- To contribute to writing bids for research funding

## Person specification

### Essential criteria

- PhD in particle physics (or about to submit by time post taken up)
- Programming experience in C++ in a particle physics context.
- Good presentation/communication/interpersonal skills
- Ability to work to deadlines/schedule within a project
- High level analytical capability
- Willingness to travel for short periods within the UK and abroad.

### Desirable criteria

- Experience with the ATLAS experiment
- Broad computing experience, e.g. Linux, Python

## Planning and Organising

- Contribute to the planning of the research project
- Co-ordinate own work with others to avoid conflict or duplication of effort
- Plan for the use of research resources as appropriate

## Decision Making

- Decide in consultation with senior colleagues as appropriate, on the most appropriate way of undertaking the specified research activities
- Decide in consultation with senior colleagues as appropriate how to analyse and interpret the data from the specified research activities
- Decide in collaboration with co-authors which aspects of the research findings to include in presentations and publications and how to convey the findings
- Decide the most appropriate means of giving guidance, support and advice to graduate students on research related work.

## Internal/External Relationships

- Liaise with research staff and support staff on research-related matters
- Liaise with external collaborators on the research, where appropriate
- Give presentations and/or contribute to presentations at national and/or international conferences