

## Job description

<b>Post title and post number</b>	Research Fellow – 51799
<b>Organisation advertising Description</b>	School of Physics and Astronomy in the College of Engineering and Physical Sciences
<b>Post number</b>	51799
<b>Full-time/Part-time</b>	Full-time
<b>Duration of post</b>	30 months
<b>Post is open to:</b>	Internal and External Candidates
<b>Salary</b>	Starting salary is normally in the range £28,982 to £37,768. With potential progression once in post to £40,082 a year.
<b>Additional information</b>	Informal enquiries can be made to Evgueni Giudzovski; <a href="mailto:eg@hep.ph.bham.ac.uk">eg@hep.ph.bham.ac.uk</a>
<b>Terms and conditions</b>	<a href="#">Research and Analogous Staff</a>
<b>Closing date</b>	29 April 2016

## Job summary

To contribute to the achievement of the School's research strategy by undertaking specified research activities within an established research programme. The research project will be carried out within the particle physics group, and includes collection of data by the NA62 experiment at CERN, analysis of the collected data samples, and publication of the results.

## Main duties

- To work within specified research grants and projects
- To plan and develop research contributions to subject area using methodologies, critical evaluations, interpretations, analyses and other appropriate techniques
- To contribute to writing bids for research grants
- To suggest and contribute to the development of research techniques, models and methods in collaboration with colleagues
- To disseminate research findings using appropriate and effective media such as publications, research seminars, etc
- To provide guidance to other staff and students on own specialist area

- To contribute to the production of research reports and publications
- To prepare papers for steering groups and other bodies
- To collect and analyse data, and interpret the results of own research and generate ideas based on outcomes

## Scope of Role

- Work within specified research grants and projects and contribute to writing bids
- Operate within area of specialism
- Analyse and interpret research findings and results
- Contribute to generating funding
- Contribute to licensing or spin out deals with demonstrated commercial success (such as revenues, asset or company sales, IP generated) and/or public understanding of the discipline or similar

## Knowledge, Skills, Qualifications & Experience

- PhD degree in experimental particle physics (or equivalent)
- High level analytical capability
- Ability to communicate complex information clearly
- Sufficient breadth and depth of specialist knowledge in the discipline and or research methods and techniques to work within established research programmes

## Planning & Organisation

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

## Decision Making

- Decide in consultation with the principal investigator as appropriate, on the most appropriate way of undertaking the specified research activities
- Decide in consultation with the principal investigator as appropriate how to analyze and interpret the data from the specified research activities
- Decide in collaboration with co-authors which aspects of the research findings to include in a presentation or a publication and how to convey the findings
- Give guidance, support and advice to students on research related work including PhD students and decide the most appropriate method of providing this supervision

## 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