Job Title: Postdoctoral position in triggering and data acquisition systems on particle physics experiments
Reference: IRC200354
Salary is in the range: £28,384 - £38,426
Location: Rutherford Appleton Laboratory

Applications are invited for a Research Associate position in Experimental Particle Physics to work on trigger and data acquisition systems (DAQ) within the Particle Physics Department (PPD) at the STFC Rutherford Appleton Laboratory. The post will initially be associated with the CMS experiment and will include the development of DAQ systems for future neutrino experiments at a later stage.

PPD is one of the largest Particle Physics groups in the UK. The design and construction of the CMS electromagnetic calorimeter endcaps was led by the PPD CMS group, which also played a major role in the tracker readout. The group is currently working on the upgrade of the level 1 calorimeter trigger, for deployment in 2016, and the track trigger for HL-LHC upgrades. The group has strong interest in physics beyond the standard model including early analyses such as the search for a Zâ??T boson and analyses requiring larger integrated luminosities such as searches for BSM Higgs.

The first-level of triggering within HEP experiments requires very fast and increasingly sophisticated processing of data. The post will require the successful applicant to work at the forefront of technologies relevant to this field. The applicant must have a Ph.D., or equivalent, in Particle Physics or Electronic Engineering and must have a strong interest in Experimental Particle Physics.

More information may be found at http://www.topcareer.jobs/.
Job reference number IRC200354.

For an informal discussion about this role please contact:
Prof. Claire Shepherd-Themistocleous (claire.shepherd@stfc.ac.uk)

Online applications only, please submit a covering letter, a CV, a statement of research interests, a list of publications and the names and contact details of three referees. Please inform Mrs. G. Birch when sending in applications (gill.birch@stfc.ac.uk) No Agencies.

The closing date for applications is 25th September 2015.
We want to make our application process as easy for you as we possibly can. If you experience any problems in applying for this job, or have any feedback for us about the application process, please contact us on 01793 867003 (8.30am â€“ 5.00pm Monday to Friday). Please quote the appropriate IRC reference number when calling.