

Postdoctoral Research Associate on the LHCb experiment

Vacancy Ref: : 052603

Closing Date : 7-Sep-2020

Contact Person : Gill Maddy

Contact Number :

Contact Email : gill.maddy@ed.ac.uk

Salary: £33,797 - £40,322 per annum

The experimental particle physics group (PPE) at the University of Edinburgh has **two vacancies** for Postdoctoral Research Associates to strengthen our activities on the LHCb experiment at the Large Hadron Collider. You will be expected to make leading contributions to our physics analysis activities. There will also be opportunities to participate in the group's activities in instrumentation and computing.

The Edinburgh LHCb group has made substantial contributions to the study of CP violation and lifetimes in the B meson system, spectroscopy and exotic states, heavy quark production, flavour changing neutral currents, and charmless semileptonic decays. We are also active in studies of charm mixing and CP violation. We have significant responsibilities in the LHCb upgrade(s) programme, including development, maintenance, and operation of the Ring Imaging Cherenkov detectors, and R&D towards a future Mighty Tracker to be installed in LS3 and expanded in LS4. In preparing for Run 3 data taking, we anticipate ramping-up activities within the Real-Time-Analysis (RTA) and Data Processing and Analysis (DPA) projects.

You should have/be about to submit for a PhD in particle physics. You will have proven expertise and technical abilities required for playing a leading role in data analysis.

As recognized by our Juno Champion and Athena SWAN Silver awards, the School is committed to advancing gender equality and we aim to ensure that our culture and systems support flexible and family-friendly working. We recognise and value diversity across all our staff and students. We will encourage and support your career development in the role, including relevant training and help with applying for grant funding or individual fellowships as appropriate opportunities arise.

Contact Prof Franz Muheim - f.muheim@ed.ac.uk & Dr Mark Williams - m.williams@ed.ac.uk for further information.

Both posts are available immediately and have an initial duration of 2 years with possible extension.

Please apply at <https://www.vacancies.ed.ac.uk> using vacancy reference 052603 online below by the closing date of Monday 7th September at 5pm (BST) and arrange for three letters of recommendation to be sent to gill.maddy@ed.ac.uk by the closing date at the latest. Interviews are expected to be held in late September or early October.