

Postdoctoral Position in the LHCb experiment @ LPNHE Paris

May 14th, 2024

The LHCb group of the Laboratoire de Physique Nucléaire et des Hautes Energies (LPNHE) in Paris (France): <https://lpnhe.in2p3.fr/> invites applications for a Postdoctoral Researcher position to work on the LHCb experiment. Candidates are required to have a PhD in experimental particle physics obtained within the last three years (with one postdoctoral position at most).

The LHCb experiment at CERN is collecting data from the proton-proton collisions delivered by the Large Hadron Collider. The LPNHE LHCb group consists of seven permanent staff, six PhD students, and three engineers. It is currently involved in two main domains of data analysis: the study of charmless three-body B decays and rare decays. We also participate enthusiastically in detector development, and are currently heavily involved in the development, maintenance, and operation of LHCb's real-time analysis (trigger) system as well as its upgrades. The group is also actively working on AI and neural-network based reconstruction methods.

The successful candidate is expected to make a significant contribution to LHCb's Run 3 real-time analysis system, and to join one of the physics analyses ongoing in the group. To qualify you should have a PhD in Particle Physics, strong technical skills, and enjoy solving computing as well as physics problems.

Applications will be accepted until June 10th 2024. The appointment is for two years with no possibility of renewal. Our preferred, and the earliest possible, starting date is September 2024. You will have access to a competitive travel budget. It is not possible to be based full-time at CERN however regular trips for datataking, meetings and operational purposes will be possible. The salary will depend on your previous working experience.

No nationality restrictions apply to this position. LPNHE is an equal opportunity employer, and members of marginalised groups are particularly encouraged to apply.

For further information contact Eli Ben-Haim (benhaim@in2p3.fr) and Vava Gligorov (vgligoro@lpnhe.in2p3.fr). You must apply through the CNRS application portal using the following link to access this job offer: <https://emploi.cnrs.fr/Offres/CDD/UMR7585-ELIBEN-001/Default.aspx?lang=EN>.

When applying please submit a two-page curriculum vitae, a one-page statement explaining your interest in the position and scientific project, and arrange for three letters of recommendation, to be sent directly to the contact persons.