

Research associate position in experimental particle physics within the LHCb group of TU DORTMUND

TU Dortmund University announces the opening of a postdoc position (100%) in experimental high-energy particle physics within the research group of Prof. Johannes Albrecht. The position is available from April 2023 and is full time fixed term for 36 months, with an extension possible. Salary scale is TVL-13.

The LHCb activities at TU Dortmund are coordinated by Prof. Johannes Albrecht. We have significant involvement in the LHCb experiment at the Large Hadron Collider, the group has made substantial contributions to the study of rare decays of beauty mesons including tests of lepton flavour universality and to the discovery of $B_s \rightarrow \mu\mu$. Additionally, we contribute strongly to flavor tagging, CP measurements and charm physics. On the detector side, we have made significant contributions to the upgrade of LHCb, including the SciFi detector, the BCM and the upgrade trigger system.

The successful candidate is expected to take a leading role in LHCb's Real Time Analysis Project and make significant contributions to physics analyses, preferably in the analysis of rare beauty decays. The candidate will have the opportunity to work in close collaboration with the local particle theory groups of Prof. Hiller and JProf. Stamou and with AI researchers of the recently founded Lamarr institute. The position will be based at Dortmund with the possibility of extended stays at CERN.

Interested candidates should have a Ph.D. in particle physics or equivalent when starting the position. They should send a Curriculum Vitae, a statement of research interests and recommendation letters from at least two referees to johannes.albrecht@tu-dortmund.de. To ensure full consideration, candidates should apply by March 31, 2023. The position will remain open until filled. For further information about the position, please do not hesitate to contact johannes.albrecht@tu-dortmund.de.

TU Dortmund University is an equal opportunity employer and welcomes applications from women. Handicapped applicants will be treated preferentially if equally qualified.