

**Junior faculty position (A13 a.Z.) within the LHCb group of TU Dortmund University in the intersection area of experimental particle- and astro-particle physics**

**Job description:**

TU Dortmund University announces the opening of a

**JUNIOR FACULTY POSITION (Akademische/r Rätin/Rat A13 a.Z.)**

in the **intersection area of experimental high-energy particle physics and astro-particle physics** with a focus on the understanding of air shower physics through LHCb collision measurements. The position is available from June 2024 and is full time fixed term for 6 years. Salary and benefits follow the German standards for state officials. The duration is fixed for two successive periods of three years (Beamter auf Zeit).

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, with substantial contributions to various aspects of physics exploitation, development of tracking, trigger and flavor tagging algorithms as well as detector development activities with a focus on LHCb's main tracker and its upgrades. The faculty also has significant astro-particle groups including IceCube, MAGIC and CTA.

The position is based in Dortmund. It is a Junior Faculty Position (A13) with the possibility of acquiring a "Habilitation". Participation in university teaching and supervision of Master and PhD students is thus expected.

The successful candidate is expected to take a leading role in the "Astro-QCD" part of the group which is embedded in the Special Research Area SFB1491 "Cosmic Interacting Matter", collaborating closely with the astro-particle and astrophysics groups in Dortmund, Bochum and Wuppertal. The candidate is expected to join the LHCb activities of SFB1491 that focus on the understanding of air-shower physics through LHCb measurements in various collision systems. Additional activities in astro-particle physics experiments or air-shower simulation projects are encouraged.

Interested candidates should have a PhD 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](mailto:johannes.albrecht@tu-dortmund.de). To ensure full consideration, candidates should apply by April 21, 2024. The position will remain open until filled. For further information about the position, please do not hesitate to contact [johannes.albrecht@tu-dortmund.de](mailto: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.