

The Max Planck Institute for Physics is engaged in fundamental research in particle and astroparticle physics from both experimental and theoretical perspectives. We invite applications for a

Postdoctoral position (f/m/d)

for participation in the studies of physics and detectors for future energy frontier lepton colliders such as the International Linear Collider ILC, the Compact Linear Collider CLIC, the Future Circular Collider FCCee and a Muon Collider. The Max Planck Institute group is working on physics studies in the areas of Higgs boson, Top quark and Beyond-the-Standard-Model physics, on the analysis of data acquired with the highly granular CALICE calorimeters and on the development of detector technologies for SiPM-on-Tile - based imaging hadron calorimeters and the associated reconstruction algorithms, as well as on the optimization of detector concepts for future colliders. All of these projects are carried out in close collaboration with international partners. The position is also connected to the Excellence Cluster ORIGINS, which investigates the development of the Universe from the Big Bang to the emergence of life.

The successful applicant must hold or be near completion of a PhD in experimental particle physics or a related field. She/he will have a strong interest in physics studies for future collider projects and/or detector development. Experience in the analysis of large data sets in particle physics or in detector simulations based on GEANT4 is considered an asset. The candidate will be given the possibility to decide the focus of her/his activities within the projects of the group based on personal preference, and will have the opportunity to work with and contribute to the supervision of bachelor, master and doctoral students. She/he must be independent and creative while fitting in a group effort.

Salary and benefits are commensurate with public service organizations (TVöD Bund). The contract is initially limited to 2 years with the possibility of an extension. The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals. Furthermore, the Max Planck Society seeks to increase the number of women in areas where they are underrepresented and therefore explicitly encourages women to apply.

For questions concerning the position offered please contact Dr. Frank Simon (fsimon@mpp.mpg.de). Interested applicants are requested to submit their application, including a cover letter stating their research interests, a curriculum vitae, a list of publications and copies of certificates, as a single pdf file via email to jobs-futdet@mpp.mpg.de, and should arrange for three letters of recommendation to be sent directly to the same address.

The position remains open until filled. Applications submitted by December 1, 2020 are guaranteed full consideration.

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