



The Max-Planck-Institute for Physics is engaged in fundamental research in particle and astroparticle physics from both experimental and theoretical perspectives. One main research activity is the participation in the ATLAS experiment at the Large Hadron Collider (LHC) at CERN.

We invite applications for

Two postdoctoral positions (f/m/d)

in experimental particle physics within our ATLAS group. The group has contributed decisively to the design and construction of the ATLAS muon spectrometer and is leading the upgrades of the muon detector and trigger system for High-Luminosity LHC. These activities are supported by excellent mechanical and electronics engineering departments and workshops. Our ATLAS upgrade projects comprise the development of new front-end and trigger electronics for the ATLAS muon drift-tube (MDT) chambers and of new thin-gap Resistive Plate detectors as well as the construction of new small-diameter MDT chambers. In addition, we are developing detectors and electronics for future colliders. Our ATLAS data analysis program concentrates on measurements of Higgs boson properties and on searches for new physics beyond the Standard Model.

The successful candidates are expected to play leading roles in the development and construction of the muon detectors or the muon trigger electronics for ATLAS and in the coordination of the detector and electronics commissioning. They are invited to participate in the detector and ASIC developments for beyond the HL-LHC upgrade. There will also be opportunities to participate in the ATLAS data analysis and in teaching at the university. A PhD in particle physics and experience with the operation of particle detectors is required.

Salary and benefits are according to the German public service pay scale (TVöD Bund). The contracts are initially limited to two years and can be extended in accordance with German law and available funding.

The Max Planck Society strives for gender equality and diversity. 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 those areas where they are underrepresented and therefore explicitly encourages women to apply.

For questions concerning the position offered, please contact Prof. Dr. Hubert Kroha (kroha@mpp.mpg.de). Please apply by **31 October 2022** at the latest with informative documents (application letter including curriculum vitae, list of publications and a statement of research interests and three letters of recommendation) exclusively online via our [application portal](#). We look forward to receiving your online application.

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The Max Planck Institute for Physics collects and stores personal data that you send for your application. Further information on the data collected can be found at <https://www.mpp.mpg.de/en/studying-and-working/jobs/data-protection-statement-for-job-applications>