



Postdoctoral Position (m/f/d) within the ATLAS Inner Detector Group

The Max Planck Institute for Physics is a research institute focusing on particle and astroparticle physics from both an experimental and a theoretical perspective. One main research activity is the participation in the ATLAS experiment at the Large Hadron Collider (LHC) at CERN. The ATLAS collaboration investigates the consistency of the Standard Model with very high precision, and also extends the search for physics beyond the Standard Model to unprecedented accelerator energies.

The hardware engagement of our Inner Detector Group focuses on providing components for the new ATLAS Inner Tracker (ITk) to be operated during the high luminosity phase of the LHC. Our main contributions are: the assembly and test of silicon pixel modules and the production of components for the CO₂ cooling system. The data analysis program pursued concentrates on high-precision measurements of the top-quark mass and their combination.

We invite applications for a postdoctoral position in experimental particle physics to strengthen our Inner Detector Group. The successful candidate is expected to make significant contributions to our hardware activities. In addition, participation in our analyses of ATLAS data is encouraged. We are seeking an outstanding candidate holding a PhD (or equivalent) in experimental particle physics. We expect experience in silicon tracking detectors and data analysis, good communication skills, capability to effectively work in a team and willingness for business travel in accordance with the needs of our research.

Salary and benefits are according to the German public service pay scale (TVöD Bund). The contract is initially limited to three years with the possibility of extension.

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, please contact Dr. Richard Nisius (nisius@mpp.mpg.de). Interested scientists should send their application until **March 27, 2024**, exclusively via our online [application portal](#). Applications should include a motivation letter, curriculum vitae with university certificates, statement of research interests and a list of publications. Please provide three names and contact details of persons who will be providing reference letters. We are looking forward to 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/>