



Postdoctoral Position within the ATLAS Inner Detector Group

The *Max-Planck-Institut für Physik* is a research institute focussing on particle and astroparticle physics from both an experimental and a theoretical perspective. One main research activity in particle physics at accelerators is the participation in the ATLAS experiment at the Large Hadron Collider (LHC) at CERN. To fully exploit the data to be collected during the high luminosity running period of the LHC starting in 2026, the ATLAS collaboration is upgrading the detector, in particular by the construction of an all-silicon inner tracking detector, named the ITk.

The ATLAS Inner Detector Group at the institute has contributed to the design, construction and operation of the present ATLAS Inner Detector. We are contributing to the ITk project, by providing thin n-in-p silicon pixel sensors and modules, and by design and construction work for the carbon-dioxide cooling system. The data analysis program pursued concentrates on precision measurements within the Standard Model in the area of top-quark physics, namely on precision measurements of the top-quark mass.

We invite applications for a postdoctoral position in experimental elementary particle physics to strengthen our Inner Detector Group. The successful candidate is expected to oversee the sensor production at the *Halbleiterlabor der Max-Planck-Gesellschaft* and to lead the construction of pixel modules at the *Max-Planck-Institut für Physik*, in close connection to our technical staff. In addition, we encourage participation in our analysis of the ATLAS data in the area of top-quark physics.

Salary and benefits are according to the German public service pay scale (TVöD Bund). The contract is initially limited until December 31, 2022 and can start immediately. The Max Planck Society is an equal opportunity employer committed to increasing the participation of women wherever they are underrepresented. The Max Planck Society is committed to employing more handicapped individuals and especially encourages them to apply.

For questions concerning the position offered please contact the group leader Dr. Richard Nisius (nisius@mpp.mpg.de). Interested scientists should send their application, including a motivation letter, CV with university certificates and a list of publications by email (to schielke@mpp.mpg.de) until **November 2, 2018**. Applicants should also arrange for three letters of recommendation to be received by the same date. Applications will be accepted until the position is filled.

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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/>