



Postdoctoral Position within the ATLAS Group

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 a postdoctoral position in experimental particle physics within our ATLAS group. We are one of the leading institutes in the ATLAS muon detector collaboration. The group has contributed decisively to the design and construction of the ATLAS muon spectrometer and is leading the upgrades of the ATLAS muon detector in the current LHC shutdown and for High-Luminosity LHC. We are developing the new front-end and trigger electronics for the ATLAS muon drift-tube (MDT) chambers and are preparing for the construction of new small-diameter MDT and thin-gap RPC chambers for HL-LHC. Our data analysis program concentrates on the measurements of the Higgs boson properties and the search for new physics beyond the Standard Model. The successful candidate is expected to play a leading role in the muon detector and electronics development and in the coordination of the construction. 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 contract is initially limited to two years and can be extended in accordance with German law. 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 Prof. Dr. Hubert Kroha (kroha@mpp.mpg.de). Interested applicants should send an application letter including curriculum vitae, list of publications and a statement of research interests and arrange for three letters of recommendation to arrive no later than **15 September, 2019** at the following E-Mail address schielke@mpp.mpg.de.

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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/>