



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

FAKULTÄT FÜR PHYSIK
PROF. DR. DOROTHEE SCHAILE



Postdoctoral Position at LMU Munich with the LHC experiment ATLAS

The High Energy Physics Group at the LMU Munich invites applications for a Postdoctoral Position in Experimental Particle Physics. The position is funded by the Excellence Cluster ‘From the Origin of the Universe to the First Building Blocks of Life’ (ORIGINS). The project will be carried out within the LMU High Energy Physics Group group which pursues an intensive physics analysis programme with special emphasis on experimental studies of electroweak symmetry breaking and the search for signals of physics beyond the Standard Model at the LHC experiment ATLAS.

The successful candidate will search for Dark Matter in the context of so-called Higgs-portal Dark Matter models with Dark Matter particles appearing in the decay of or in association with Higgs bosons with data of the ATLAS experiment. The candidate will play an important role supporting communication among thematically related areas of the Excellence Cluster ORIGINS to exploit the most up-to-date available data in particle- and astro-physics and promising theoretical models. In addition the investigation of Machine Learning Techniques for this analysis is intended and the collaboration within the Origins Data Science Lab (ODSL) which will combine the local expertise in statistical data analysis and explore concepts for the next generation of numerical and statistical methods needed to process large and closely linked data sets is strongly desired.

Applicants should have a PhD in physics and experience in particle physics, especially with data analysis and statistical methods. Good communication skills, the capability to effectively work in a team and willingness for business travel in accordance with the needs of our research is expected.

Salary and benefits are according to the German public service pay scale TV-L E13. The position is available from September 2019 for a period of 3 years and is based in Garching close to Munich.

The advancement of women in the sciences, especially in all areas of physics, is integral to the policy of the Excellence Cluster ORIGINS. We therefore especially encourage applications from women. Disabled persons will be given preference to other equally qualified applicants.

Interested scientists should send their application, including a motivation letter, CV with university certificates, statement of research interests, a list of publications and three contact addresses for referees willing to provide a letter of recommendation by email as a single PDF file to Mrs. Elke Grimm-Zeidler (E.GrimmZeidler@physik.uni-muenchen.de) until July 19, 2019.

For further information, please visit our website <http://www.etp.physik.uni-muenchen.de/> or contact

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