



TECHNISCHE
UNIVERSITÄT
WIEN



PhD position in dark matter physics (3 years)

Application deadline: 31.03.2016

Job description: The successful candidate will analyse data taken with the CRESST experiment, including energy reconstruction, event selection and their statistical interpretation. New algorithms and computational methods should be implemented and tested. In addition, studies on alternative Dark Matter models, background sources and comparison of measured and simulated data could be performed. Contributions to the operation of the CRESST experiment at the Gran Sasso underground laboratory in Italy (LNGS) are expected. Participation in the research and development program for next generation Dark Matter experiments is possible.

Qualifications Required: The candidate should have a Master degree in experimental particle physics and a solid background in astroparticle physics. Expertise in dark matter detection techniques, modern programming languages as well as in data analysis will be advantageous.

Institution: The Technische Universität Wien is the largest institution for higher education and research focused on science and technology in Austria and has 4.800 employees and 29.000 students. The dark matter group at the Atominstitut, together with the Institute of High Energy Physics of the Austrian Academy of Sciences (HEPHY), is a member of the direct Dark Matter detection experiments CRESST and EURECA.

Position: For this position, a minimum gross salary of 1.685 €/month (fourteen times a year, 25 hours/week) is offered.

Application procedure: The Technische Universität Wien is committed to increase female employment in leading scientist positions. Qualified female applicants are encouraged to apply and will be given preference if equally qualified. Handicapped persons with appropriate qualifications are also expressly encouraged to apply. Please arrange for two letters of recommendation and send your application to Technische Universität Wien, Personnel Department (scientific staff), Karlsplatz 13, 1040 Vienna, Austria or by email to ildiko.haidenschuster@tuwien.ac.at

More information about the Institute of High Energy Physics of Austrian Academy of Sciences (HEPHY) and the Technische Universität Wien may be found at www.hephy.at and at ati.tuwien.ac.at. For further information please contact Prof. Jochen Schieck (Jochen.Schieck@tuwien.ac.at).

