



Fakultät für Physik



OAW

Österreichische Akademie
der Wissenschaften

The experimental particle physics group at the Institute of Atomic and Subatomic Physics at the Vienna University of Technology together with the Institute of High Energy Physics of the Austrian Academy of Sciences is a member of the direct Dark Matter detection experiments CRESST and EURECA.

We are looking for **two PhD students** contributing to the experimental effort of these Dark Matter experiments.

The candidate should have a Master or a Diploma 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 an advantage.

The successful candidates will work on the simulation of the experiment using GEANT4 as well as on the analysis of data taken with the CRESST experiment, including alternative Dark Matter models and background studies. Contributions to the operation of the CRESST experiment at the Gran Sasso underground laboratory in Italy are expected. Participation in the research and development program for next generation Dark Matter experiments is possible.

The position will be opened for a period of three years.

The Vienna University of Technology 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.

For this position, a minimum salary of € 1634,90 gross per month (fourteen times a year) based on full-time employment is offered.

More information about the Institute of High Energy Physics of Austrian Academy of Sciences and the Vienna University of Technology may be found at <http://www.hephy.at> and at <http://ati.tuwien.ac.a>

For further information please contact Prof. Jochen Schieck (Jochen.Schieck@tuwien.ac.at).

Please arrange for two letters of recommendation and send your application to Vienna University of Technology, Personaladministration, Fachbereich wissenschaftliches Personal, Karlsplatz 13, 1040 Vienna, Austria or by email to manuela.reinhart@tuwien.ac.at

The closing date for applications is 30.09.2014