



The Max Planck Institute for Physics is a research institute focusing on particle and astroparticle physics from both an experimental and a theoretical perspective.

The institute invites applications for a

physicist (f/m/d)

for the scientific services of the institute to drive production and testing of transition edge sensors for the CRESST experiment. CRESST is a dark matter search based on scintillating cryogenic calorimeters and is located at the Gran Sasso underground laboratory in central Italy. CRESST is a worldwide leading experiment in the search of light dark matter candidates to explain the lack of matter in the universe. The CRESST group at MPP has a many year's leadership in the development and operation of the low-threshold high-performance detectors that are needed to reach the experimental sensitivity.

Your tasks

- Take over a leading role in the development and fabrication of detectors for the CRESST experiment.
- Contribute to the testing of cryogenic detectors in the dilution refrigerators at MPP or in the MPP cryostat dedicated to detector R&D at Gran Sasso.
- Take over the management of the equipment for detector production available at MPP.
- Take over the management of the cryogenic infrastructure for detector testing at MPP.
- Contribute to the on-site support at LNGS and to the planned upgrade of the CRESST experiment.

Your profile

- A master in experimental physics or equivalent. A PhD is of advantage.
- Experience with low temperature experimental methods (thermometry, operation of dilution refrigerators, handling of liquefied gases).
- Experience with ultra-high vacuum techniques, thin films deposition systems and technology.
- Good communication capabilities, flexibility and a team oriented working style.

Salary and benefits are commensurate to public service pay scale (TVöD). The position is limited to a period of initially two years, with the option of a subsequent permanent employment. 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. Information about the institute may be found on the internet at www.mpp.mpg.de.

Queries may be directed to Dr. Federica Petricca (petricca@mpp.mpg.de), Tel.: +49 89 32354 309. The application deadline is September 30th, 2019. Late applications will only be considered until the position is filled. Interested applicants should send an application letter including curriculum vitae, list of education, career steps and previous employments, and should arrange for two letters of reference. Please send your complete written application either electronically to Diana Werner (dwerner@mpp.mpg.de) or via mail to

Max-Planck-Institut für Physik

(Werner-Heisenberg-Institut)

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The Max Planck Institute for Physics collects and stores personal data that you 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/>

