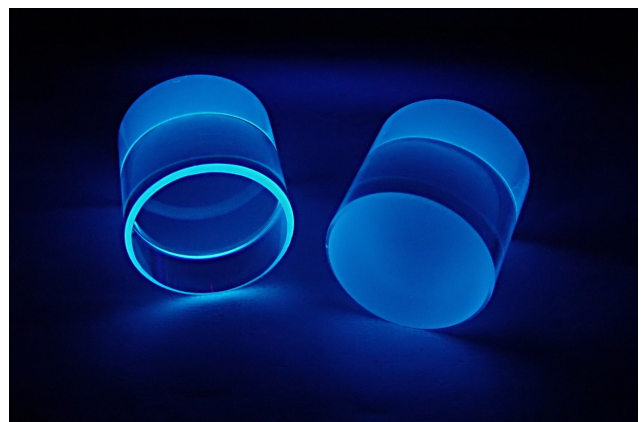


PhD Thesis

Experimental Astroparticle Physics

The CRESST experiment searches for Dark Matter in the form of WIMPs. For this, CRESST uses highly sensitive detectors with superconducting thermometers, which are operated at ultra-low temperatures. While the experiment itself is located in an underground lab near Rome, the MPI strongly participates in the research and development. In this framework we can currently offer one **PhD position** to support our group:



Data Analysis in Dark Matter Search

In this project, the current data of the CRESST experiment will be analyzed in order to obtain new, more precise knowledge about the nature of dark matter. The analysis is based on a flexible, object-oriented software package which itself relies on the ROOT framework and has been developed by our collaboration. Extensions to the software which adapt it to the latest needs can be made during the work. For this, some basic knowledge of C++ is desirable, ideally complemented by experience with Linux and ROOT. Depending on personal interests, the analysis work can also be combined with a detector development project.

We encourage all interested candidates to contact Dr. Franz Pröbst via email (wimp@cresst.de) or phone (+49 89/32354-237).