



Postdoctoral position in astroparticle physics at the University of Zurich

The Experimental Astroparticle Physics Group at the University of Zurich invites applications for a postdoctoral position to participate in the GERDA neutrinoless double beta decay experiment. The experiment, which is currently being operated at the Gran Sasso Underground Laboratory in Italy, aims to reveal the nature of neutrinos and measure the effective Majorana neutrino mass by observing a rare nuclear decay process in enriched 76-Ge detectors immersed in liquid argon. The successful candidate is expected to play a leading role in the calibration of the experiment, in Monte Carlo simulations and data analysis, as well as in the testing and implementation of phase II germanium detectors. The Zurich astroparticle physics group is also involved in direct dark matter searches using liquid xenon TPCs (XENON) and in the DARWIN project.

A recent PhD in astroparticle physics, high-energy physics or a related field is required. Experience with high-purity Ge detectors, cryogenic systems, low-background techniques, data analysis or Monte Carlo simulations will be advantageous. Applicants should send a curriculum vitae, a list of publications, a statement of research and arrange for two to three letters of recommendation to be sent to Mrs. Carmelina Genovese, Physics Institute of the University of Zurich, Winterthurerstr. 190, CH-8057 Zurich, Switzerland. For full consideration, completed applications including reference letters should be received by November 15, 2011. Applications received after that date will be considered until the position is filled.