

## Postdoctoral position in Neutrino physics

The astroparticle physics group of the Bergische Universität Wuppertal announces the opening of a postdoctoral position for the KATRIN experiment available immediately.

The Karlsruhe Tritium Neutrino (KATRIN) experiment will measure the absolute mass scale of neutrinos with an unprecedented sensitivity by high-precision spectroscopy close to the tritium  $\beta$ -decay endpoint.

The successful candidate is expected to take a leading role in the analysis of KATRIN data. The candidate will also contribute to the hardware responsibility of our group which is the development of a detector system to monitor the flux of  $\beta$ -electrons inside the beamline. The setup will be operated in strong magnetic fields under ultra-high vacuum conditions. Commissioning of the KATRIN experiment will be another task.

Further major activities of our group are neutrino astronomy within the IceCube experiment, cosmic rays and searches for physics beyond the standard model as well as novel detection methods at ultra high energies.

Applicants must have a PhD or an equivalent degree at the time of recruitment. The successful candidate preferably has experience in experimental astroparticle, particle or nuclear physics. Experience in particle detection at low energies, UHV or data analysis would be an advantage.

Salary and benefits are commensurate with public service organizations in Germany (E 13 TV-L). The initial appointment will be for 2 years with the option of extension. Bergische Universität Wuppertal (BUW) is an equal opportunity employer. The goal is to enhance the percentage of women where they are underrepresented. Women, therefore, are especially encouraged to apply. The BUW is committed to employing more handicapped people. Applications of handicapped people are particularly welcome.

Applicants should send their documents (CV, short statement of research interests, list of publications/presentations, at least 2 references, etc.) before December 14, 2012 by email or in writing to the following address:

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