



The **Astroparticle Physics Group** at the Physics Institute of the University of Freiburg invites applications for a

## **PhD Position in experimental Astroparticle Physics (XENON Dark Matter Search)**

We are involved in the XENON program which is searching for dark matter using ultra-sensitive detectors filled with liquid xenon. XENON1T, the current stage of the program, has recently published the world's most sensitive result on WIMP dark matter and continues to acquire data at the Gran Sasso Underground Laboratory (Italy). At the same time, the collaboration is preparing the upgrade phase XENONnT which will increase the sensitivity by another order of magnitude. Our group in Freiburg is involved in data analysis and responsible for the sub-systems data acquisition/electronics and detector design. The successful candidate is expected to play an active role in one of the subsystems as well as in data analysis.

Applicants should have a Master's degree (or equivalent) in physics and knowledge in particle/astroparticle/nuclear physics. Basic programming skills are required.

Interested candidates are encouraged to send a motivation letter stating the research interests, a CV with a list of publications (if available), an abstract of the masters/diploma thesis (max ½ page), degree certificates and study transcripts with a description of the grading scheme, a tangible proof of the fluency in English (if available) and names and email addresses of two potential references to the address given on the right. Please send applications in electronic form (one single pdf file).

The position is open August 1<sup>st</sup>, 2017 until filled. Applications are reviewed in the order they are received.

Albert-Ludwigs-Universität  
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Physikalisches Institut



Experimental  
Astroparticle Physics (APP)

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