



Stefan Meyer Institute for Subatomic Physics



JOB OPENING:

Ph. D. Position in Subatomic Physics

The Stefan Meyer Institute for Subatomic Physics (www.oeaw.ac.at/smi) of the Austrian Academy of Sciences invites applications of outstanding students to work on the ERC Advanced Grant project

HBAR-HFS - Hyperfine Structure of Antihydrogen

(www.antimatter.at) to be performed at the Antiproton Decelerator of CERN, Geneva, Switzerland. The experiment aims at a precise comparison of the hyperfine structure of hydrogen and antihydrogen as a test of CPT invariance using beams of polarised antihydrogen atoms. It is performed within the ASACUSA collaboration and involves a large variety of fields like plasma, atomic and particle physics in a stimulating and challenging international environment.

The candidate is expected to have a Master's degree or Diploma in experimental subatomic physics. He/she will participate in data taking periods, development of a device to detect antihydrogen annihilations, simulation and data analysis. Experience in C++ or in another object oriented programming language is expected. The Ph.D. work will require multiple stays of one to several weeks at CERN. After successful completion the candidate will obtain a Ph. D. (Dr. rer. nat.) from the University of Vienna.

The applicant must be fluent in English, fluency in French or German would be an advantage. The annual gross salary will be 27,066 €.

The Austrian Academy of Sciences is committed to increase female employment in scientific positions. Qualified female applicants are especially encouraged to apply and will be given preference when equally qualified.

Applications including a detailed curriculum vitae, a list of publications and conference talks should be sent to Prof. Eberhard Widmann by email to eberhard.widmann@oeaw.ac.at no later than **February 23, 2012**. The position can start as early as March 1st, 2012. Further information can be obtained from the same email address.