



Stefan Meyer Institute for Subatomic Physics



Job opening:

Post Doctoral 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 young scientists 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 Ph.D. in subatomic physics and experience in the field of experiments at particle accelerator laboratories. Knowledge of Monte-Carlo simulation techniques using the GEANT4 package and of the practical implementation of particle detection techniques is mandatory. Previous experience in precision experiments at particles accelerators using radio-frequency will be of advantage. The candidate will be fully stationed at CERN during the term of the contract and should coordinate the activities of the group at CERN. He/she must be fluent in French and English, fluency in German would be an advantage.

The contract will have an initial duration of two years with the option of being extended subject to a performance evaluation. The annual gross salary will be 45,966 € plus a monthly tax-free allowance of 1060 € while stationed in Geneva.

The Austrian Academy of Sciences is committed to increase female employment in scientist 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 8, 2012**. The expected starting date is March 1st, 2012. Further information can be obtained from the same email address.