

The Stefan Meyer Institute for Subatomic Physics in Vienna ([SMI](#)) of the Austrian Academy of Sciences ([ÖAW](#)), Austria's leading non-university research and science institution, is devoted to the study of fundamental symmetries and interactions. SMI participates in experiments at CERN (ASACUSA@CERN-AD, ALICE@LHC), ILL/FRM-II (NoMoS), LNF Frascati (SIDDHARTA-2), J-PARC (E15, E57), PANDA@FAIR and leads the working package ASTRA for the development of CdZnTe detectors in the European Strong2020 project. In its division "Advanced Instrumentation" a

POSTDOCTORAL RESEARCH POSITIONS (F/M) IN DETECTOR DEVELOPMENT FOR SUBATOMIC PHYSICS (full time / 40h per week)

for a duration of two years, with the possibility to be extended by one year, is open for applications.

The successful candidate will be in charge of developing photodetectors and related front-end electronics and data acquisition systems for the experimental activities of SMI. He/she is also expected to participate in the experiments themselves.

Requirements

Applications are invited from outstanding candidates with a PhD in subatomic physics and experience in photodetectors, especially SiPMs, and the related front-end electronics and data acquisition.

Experience with simulation packages (e.g. Geant4) and the knowledge of common experimental techniques such as UHV, experiment design and cryogenics will be an advantage. Excellent communication skills both oral and written are required. The candidate must be fluent in English and any experience of German would be an advantage.

Roles

SMI is currently involved in the development of a prototype for the B-TOF detector of PANDA, which makes use of scintillating tiles. A second project will be an upgrade of a plastic scintillator hodoscope read out by SiPMs, used for antihydrogen detection in the ASACUSA-CUSP experiment at CERN. The successful applicant is expected to play a leading role in the development and construction of the detectors and is welcome to join the experimental activities.

Offer

Contracts will have a duration of two years with the option of extension by another year. The annual gross salary before tax will be about 53.250 EUR based on the salary Scale of the Austrian Science Fund ([FWF](#)).

Application

Please send your CV, cover letter and details of 3 referees via e-mail to smi@oeaw.ac.at. Applications can be accepted up to the 30th September but it is a rolling interview procedure. So please send your application in time.

For informal enquiries and more information, please contact Dr. Johann Zmeksal johann.zmeksal@oeaw.ac.at.

The Austrian Academy of Sciences values diversity and is committed to equality of opportunity.