The Laboratory for High Energy Physics (LHEP) and Albert Einstein Center for Fundamental Physics (AEC) at the University of Bern invite applications for a

Postdoctoral position in experimental neutrino physics

The LHEP/AEC has a strong research program on experimental neutrino physics based on liquid argon TPCs. Based on our in-house research and development of the technology we made major contributions to the SBN program at Fermilab (USA). We are currently a leading institute in the construction of the Near Detector for the Deep Underground Neutrino Experiment (DUNE). Our group also has a major role in the physics analysis for the MicroBooNE experiment and will extend this effort to DUNE.

The successful candidate is expected to play a leading role in the development of the ArgonCube DUNE ND-Lar detector, including hardware and physics studies. The position involves tight integration with the local technical and computing staff as well as interactions with other scientific fields at LHEP.

Applicants must have a PhD in experimental high-energy physics. Preference will be given to candidates with proven experience in detector technologies, their readout, operation and calibration. A strong background in data analysis is also welcome. The initial duration of the contract is of two years, extendable to four.

Candidates are requested to send a short letter of application, their CV, a list of publications, and the names and e-mail addresses of three references (we will ask for letters after a pre-selection of candidates) by email to: ursula.witschi@lhep.unibe.ch indicating AEC-PD-nu-2020 as reference. Review of applications will start on Oct 1st, 2020 and will continue until the position is filled.

For further information about this position contact: Prof. M. Weber, weber@@lhep.unibe.ch

Bern, September 2020.