

Postdoctoral position in experimental particle physics Laboratoire d'Annecy de Physique des Particules (LAPP) - Annecy

The CNRS LAPP (Laboratoire d'Annecy de Physique des Particules) Institute is opening a two-years postdoctoral position available to start in January 2019.

The successful candidate is expected to take a leading role in the study of the vector boson scattering process, in which the ATLAS LAPP group is already strongly involved. The candidate will have the responsibility of developing new analysis methods based on machine learning technologies.

Knowledge and experience in C++ and/or Python programming languages is required. Computing skills in Scikit-learn, Keras, Theano, Tensorflow or other data analysis and processing packages will be favourably considered, as well as familiarity with deep learning developments.

Candidates should have obtained a PhD in high-energy physics by the date of appointment.

The ATLAS LAPP group gathers 13 permanent physicists, 12 PhD and post-docs and about 20 engineers and technicians.

It has an historical commitment to the ATLAS LAr calorimeter operation and maintenance, and is also strongly engaged in the ATLAS LAr and tracking upgrades for HL-LHC. The group is involved in trigger activities, electron/photon performances, and jet reconstruction, and pileup mitigation studies. It is also involved in Higgs physics, Standard Model electroweak measurements and in direct searches for New Physics.

The geographical proximity of LAPP and CERN, about 50 km and 40' drive, allow the group members a strong involvement in detector operations, and continuous participation in person to the working meetings of the ATLAS collaboration.

Applications, including a CV, a summary of research activities, a brief statement of research interests, and three letters of reference should be sent to nlorenzo@cern.ch and sauvan@lapp.in2p3.fr until October 31st 2018. We reserve the right not to make an appointment and continue searching after the closing date.

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