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PhD position in experimental particle physics with the ATLAS experiment at LHC (IFIC-Valencia)

The IFIC-Valencia ATLAS group invites applications for a PhD student position in experimental particle physics.

The IFIC (Instituto de Física Corpuscular) is a joint centre of the Spanish Research Council (CSIC) and the University of Valencia (UV), devoted to research in Particle, Astroparticle and Nuclear Physics and its applications, covering both the theoretical and experimental aspects of these fields. IFIC was recently awarded with the "Severo Ochoa" accreditation as centre of excellence for its outstanding performance and scientific contributions at national and international level, its impact at industrial and social level, and the ability to attract scientific talent.

More information about the IFIC can be found at:

<http://ific.uv.es>

The group has contributed to the construction of the Hadronic Tile Calorimeter (TileCal) and is responsible for the operation of the back-end electronics of the sub-detector as well as for the Pre-Processor boards for the LHC upgrade. The group is also strongly involved in ATLAS trigger activities, Tau performance and Higgs boson physics.

Job description and Requirements:

We offer a PhD position for a maximum of 4 years to join the IFIC-Valencia ATLAS group towards a PhD thesis about the study of the Higgs boson sector. The successful candidate will become a member of the ATLAS collaboration and perform physics analysis with ATLAS data. He/she will also participate in data taking activities and contribute to the hardware and software developments of the ATLAS detector.

We are looking for a candidate holding a University degree giving access to PhD studies by the time of enrollment in the PhD program.

Applications received by 15th of July 2018 will receive full consideration.

Applicants should have strong interest in the analysis of particle physics data, be capable of personal initiative and be willing to be involved in one of the largest scientific experiments in the world. Good software skills (C++, python, ROOT) and previous research experience in experimental particle physics would be desirable.

The application should include a short curriculum vitae, with a brief description of existing experience and academic results, and 2 presentation letters.

Further information about the position can be obtained from

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