

PhD Position in the ATLAS Experiment at IFIC Valencia

The ATLAS group at IFIC offers a PhD position within the ATLAS experiment at the LHC.

The Instituto de Física Corpuscular (IFIC) is a joint center of the Spanish National Research Council (CSIC) and the University of Valencia (UV), devoted to particle, astroparticle and nuclear research, covering both the theoretical and experimental aspects of these fields. More information about IFIC can be found at: http://ific.uv.es/

The ATLAS group at IFIC (CSIC-UV) in Valencia is strongly involved in the operation and Phase-II upgrade of the detector for the High Luminosity LHC, in particular for the Inner Detector, Tile Calorimeter and Trigger systems. The group has expertise in e/gamma and tau reconstruction and identification and is currently involved in top quark and Higgs boson physics. The successful candidate is expected to play a leading role in searches for Higgs boson pair production as well as in detector and trigger related activities.

Applicants must hold a University degree giving access to PhD studies by the time of enrollment in the PhD program. Candidates are expected to 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 collaborations in the world. Good software skills (C++, Python, ROOT) and previous research experience in experimental particle physics would be desirable. The position will be based in Valencia and will require research stays at CERN to contribute to Run 3 data taking activities during the duration of the PhD.

A curriculum vitae, a brief description of research interests and arrange for two letters of recommendation should be sent to: https://academicjobsonline.org/ajo/jobs/24861

Further information about the position can be obtained from Dr. Arantxa Ruiz Martínez (aranzazu.ruiz.martinez@cern.ch).

Applications received by **15 June 2023** will receive full consideration.