



## Predocctoral Position in Hadron Collider Physics at the LHC with the ATLAS Detector (IFAE Barcelona)

The High Energy Physics Institute in Barcelona (IFAE-Barcelona) announces the opening of a Predocctoral Position to participate in its hadron collider experimental program using the ATLAS detector at CERN's Large Hadron Collider (LHC). IFAE is one of the top research centers in Spain conducting experimental and theoretical research at the frontier of fundamental physics, as well as developing cutting-edge detector technology. In 2012, 2016 and 2024, IFAE was awarded the distinction of "Severo Ochoa" Centre of Excellence by the Spanish Ministry of Economy and Competitiveness.

General information about IFAE is available at <http://www.ifae.es>.

IFAE maintains a strong presence in the ATLAS experiment at the LHC, with major responsibilities on the calibration and maintenance of the Tile Calorimeter hadronic calorimeter and the Level-1 Topological Trigger system, and participates in the upgrade of TileCal, the trigger system and the Pixel detector. The IFAE-ATLAS group has developed an exciting and broad research program that includes precision measurements of the top quark and the Higgs boson, and searches for new phenomena beyond the Standard Model.

The successful PhD candidate will join the IFAE-ATLAS group and will participate in first-class research with the ATLAS detector. They will play a leading role in physics analysis using the full Run 2 and Run 3 datasets, and participate in the upgrade activities of the ATLAS detector for the High-Luminosity LHC period.

Interested candidates with an excellent CV, a demonstrable English level, a pro-active attitude and good communications skills, are encouraged to apply. IFAE is an equal opportunity employer committed to diversity in the workplace, and we welcome applications from all qualified candidates.

Applications must be submitted to Dr. Imma Riu ([iriu@ifae.es](mailto:iriu@ifae.es)) and [rrhh@ifae.es](mailto:rrhh@ifae.es) by **June 10, 2026**, including the job reference (IFAE2026/25\_ATLAS\_PhDStudent) in the subject of the e-mail.

The mail should include a motivation letter, up-to-date CV, and a full list of university grades, and arrange for two letters of reference to be sent to the above e-mail addresses.

You may contact Dr. Imma Riu and Dr. Tamara Vázquez Schröder for any questions related to this job opening.

More information:

<https://www.ifae.es/careers/jobs/2026/05/phd-position-in-atlas-group-at-ifae/>