



**Institut de Física
d'Altes Energies**



“Maria Zambrano” Postdoctoral 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 Postdoctoral Position to participate in its hadron collider experimental program using the ATLAS detector at the LHC. IFAE is located in the Universidad Autònoma de Barcelona (UAB) campus, and 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 and 2016, IFAE was awarded the distinction of “Severo Ochoa” Centre of Excellence by the Spanish Ministry of Economy and Competitiveness.

IFAE maintains a strong presence in the ATLAS experiment at CERN (Switzerland), with major responsibilities in the calibration and maintenance of the TileCal hadronic calorimeter and the Trigger system, and participates in the Pixel detector upgrade. The IFAE physics program in ATLAS covers a wide range of analyses spanning four working groups: Top Physics, Higgs Physics, SUSY and Exotics. The successful candidate will be based at UAB, with the possibility of regular travel to CERN, joining a competitive team of several PhD students, postdoctoral researchers, and staff scientists from IFAE.

The Spanish Ministry of Universities funds this position under the Maria Zambrano Postdoctoral Grants program. Its purpose is to attract Spanish or foreign teaching and research staff with a postdoctoral career accumulated in foreign universities or research centres, to join the Universitat Autònoma de Barcelona (UAB). The successful candidate will be hired by UAB, and will be working at IFAE. He/she may collaborate in teaching tasks up to a maximum of 60 hours per year.

The grant will take the form of a 2-year postdoctoral contract, covering full-time work, with a gross monthly salary of €4,000 (including the gross salary and the employer's share of social security contributions). In addition, a one-off payment of €3,500 is established for relocation expenses.

Interested candidates with an excellent CV, and satisfying the following eligibility criteria are encouraged to apply:

- To hold a doctoral degree.
- At the end of the application deadline, to have an accumulated postdoctoral career of no less than 24 months in universities or research centres, excluding the institution where their doctoral thesis was presented and examined.
- At the time of submitting the application, to be carrying out research projects and/or teaching at universities, research centres or organisations located outside Spain.
- Applicants must have the acceptance of IFAE, which will provide the necessary means for the development of their research activity.

IFAE is an equal opportunity employer committed to diversity in the workplace, and we welcome applications from all qualified candidates. Women are particularly encouraged to apply.

The application deadline is **September 30, 2021**.

For any inquiries specific to this position, including information on how to apply, please contact: Aurelio Juste (juste@ifae.es) and Imma Riu (imma.riu@ifae.es).

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