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“La Caixa Junior Leader” Postdoctoral Position in Hadron Collider Physics at the LHC with the ATLAS Detector (IFIC-Valencia)

The ATLAS group at IFIC (<http://ific.uv.es/>) announces the opening of a Postdoctoral Position to participate in its hadron collider experimental program using the ATLAS detector at the LHC:

<https://webific.ific.uv.es/web/content/postdoctoral-junior-leader-fellowships-la-caixa-foundation-2025-call>

These positions are funded by the "La Caixa" Foundation under the “La Caixa” Junior Leader

postdoctoral fellowships program, aimed at hiring up to 20 excellent researchers of any nationality to carry out research at any university or research centre in Spain (and Portugal). By means of a complementary training program, these fellowships are intended to consolidate research skills and to foster an independent scientific career as an option for the future.

The IFIC-Valencia group 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 the modeling of physics processes using Monte-Carlo event generators, tracking, electron, photon and tau reconstruction and identification, and is deeply involved in top quark, Standard Model and Higgs boson physics contributing to precise measurements of their properties as well as to direct searches for new phenomena.

The successful candidate is expected to play an important role in Higgs, SM, Top or BSM physics analysis using the full Run 2 and Run 3 datasets, and participate in the maintenance and operation of the ATLAS detector.

Interested candidates with an excellent CV, have to satisfy the eligibility criteria:

- have earned their doctoral degree two to seven years prior to the closing date of the call.
- [Incoming call](#) (20 positions): **have NOT resided** or carried out their main activity (work, studies, etc.) in **Spain for more than 12 months in the three years** immediately preceding the closing date of the call.
- [Retaining call](#) (20 positions): have resided or carried out their main activity (work, studies, etc) in Spain for more than twelve months in the three years immediately prior to the closing date of the call.

Candidates are expected to have personal initiative and strong interest in the analysis of particle physics data and be willing to be involved in one of the largest scientific collaborations in the world. The position will be based in Valencia, with research stays at CERN (one of the world's largest and most respected centers for scientific research) to contribute to Run 3 data taking activities during the duration of the contract.

Eligible candidates who are interested in any of these two calls should contact an [IFIC member](#) working in the closest research field. **Online applications** only, at the "la Caixa" Foundation [webpage](#).

The deadline for the online application is **October 3rd 2024**, however the application requires some preparation prior to the deadline: the arrangement of two reference letters through an online procedure, a declaration of interest letter signed by a representative of the host institution indicating its willingness to accept the fellow and lastly, a personal statement with the project proposal (research career directly related to the project proposal : maximum of 3 pages) and summary of the proposed research project (maximum of 5 pages), among other documents required to be uploaded.