



April 18<sup>th</sup> 2023

## Postdoctoral position in ATLAS at IFIC Valencia

### Job description

We are looking for a postdoctoral researcher to work on the ATLAS experiment at CERN, starting mid 2023. The position will be based in Valencia. The successful candidate will join the AITANA group and take a leading role in searches for new physics in ATLAS, with emphasis in long-lived particles, including feasibility studies in LHC and future colliders.

### The IFIC ATLAS/future collider (AITANA) group

The AITANA group at IFIC (UV/CSIC) in Valencia is active in the ATLAS and MoEDAL experiments at the CERN Large Hadron Collider, in the development of accelerator and detector technology for a future electron-positron Higgs factory and the LUXE experiments and in axion searches with RADES. The ATLAS analyses focus on searches for new physics, especially supersymmetry, and top quark precision measurements. The group is deeply involved in prospect studies for future colliders in the same areas. Detector R&D on highly granular calorimetry is performed within the CALICE collaboration and integrated pixel sensors are being developed within the AIDAInnova project. Accelerator R&D aims at the development of high-gradient RF cavities and beam instrumentation, both within the ILC and CLIC projects and for medical applications.

More information about the group is available on the webpage:

<https://aitanatop.ific.uv.es/aitanatop/>

### Requirements

Candidates are expected to hold or are about to obtain a doctorate in experimental particle physics to be considered for this position. We are looking for ambitious candidates, interested in developing his/her research together with the PhD students, other postdoctoral researchers and senior staff members of the group. Experience in the main experimental techniques is expected, but candidates are encouraged to explore new directions beyond their immediate background. The candidate needs to possess excellent English communication skills, while Spanish or Valencian are appreciated, but not required.

### Applications

Interested candidates should send their up-to-date CV, including a summary of their PhD research and subsequent research experience, and should arrange for up to three letters of reference. Inquiries can be directed to Dr. Vasiliki Mitsou ([vasiliki.mitsou@ific.uv.es](mailto:vasiliki.mitsou@ific.uv.es)). Selected candidates will be contacted for an online follow-up interview. The position will remain open until filled.