



Postdoctoral Fellowship, ATLAS experiment

The Department of Physics and Astronomy at Uppsala University, Sweden invites applications for a two-year postdoctoral fellowship to work on the ATLAS experiment and future lepton colliders.

The postdoc will join a group involved in new physics searches at the LHC with the ATLAS experiment and prospectively at the electron-positron stage of the Future Circular Collider at CERN; and in tracking and track trigger for future colliders. The group is performing searches for a dark sector in prompt signatures with top quarks in the final state; and for long-lived particles, in connection with dark matter and neutrino masses (Heavy Neutral Leptons). Finally, the group is also involved in the use of state-of-the-art data science methods. The work of the postdoc will be integrated in the ongoing activities, with the possibility to open independent research lines.

The successful candidate will be appointed for two years. The position is financed by a grant from the Carl Trygger Foundation in the form of a scholarship that will be paid directly to the postdoctoral fellow by the foundation. Funds for equipment and travel are available via the research group.

We are looking for a highly motivated and skilled postdoctoral researcher who will have the opportunity to contribute to a new field of particle physics research. The successful candidate is expected to work in an international environment and play a leading role in data analysis, as well as to actively participate in studies supporting future experimental facilities.

Uppsala University aims for gender balance and diversity in all activities in order to achieve a higher quality at all levels of the organization. Applicants of any gender and with different birth backgrounds, functionality and life experience are encouraged and welcome to apply.

Applicants should have experience in high-energy experimental particle physics, and, at the time of joining, a doctoral degree from an institution other than Uppsala University.

Candidates should provide a research statement, a CV, and a list of publications via email to:

rebeca.gonzalez.suarez@physics.uu.se

and arrange for three reference letters to be submitted to this link: <http://cern.ch/go/N6mP>.

While all applications received by December 17 2021 will receive full consideration, applications will be accepted until the opening is filled.

Contact: **Rebeca Gonzalez Suarez**

Email: rebeca.gonzalez.suarez@physics.uu.se