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Post-doctoral Research Position in ATLAS at Uppsala University (Sweden): Call for Applications

Uppsala, December 1st, 2020

The high-energy physics division at Uppsala University (Sweden) has a new opening for a post-doctoral research position to work on searches for Higgs boson pairs (HH) at the ATLAS experiment. This position is funded by the Carl Trygger Foundation, in the form of a two-year scholarship.

Job description:

The successful candidate is expected to play a significant role in upcoming statistical combinations of searches for non-resonant HH based on the full Run-2 pp collision dataset from the Large Hadron Collider. He or she will also work on several interpretations of such combined HH results, including constraints on the Higgs boson self-coupling as well as anomalous couplings from e.g. composite Higgs models, Effective Field Theories, etc.

The successful candidate is also expected to participate in the supervision of PhD and undergraduate students in the group, as well as to contribute to the group's operation and service tasks, with a commitment level as required by the ATLAS collaboration.

Requirements:

To qualify for this post-doctoral research position, you should have a PhD degree in experimental high-energy physics at the time of enrollment. This degree must have been obtained within 3 years of the application deadline (this period can be extended due to circumstances such as sick or parental leave, duties in labor unions, national service, etc).

Extensive experience in high-energy physics data-analyses and with software development (including proficiency in C++ and Python) will be considered as strong assets. Candidates must be able to work in an independent manner, but also integrate well in a large collaboration such as ATLAS.

How to apply:

Candidates should provide a CV including a list of selected publications and a research statement, as well as arrange to have at least two recommendation letters sent by email to arnaud.ferrari@physics.uu.se by January 15th, 2021. Interviews with short-listed candidates will be arranged shortly after.