



ATLAS Postdoctoral Fellow Position in Experimental High Energy Physics

The York University High Energy Physics group (<https://www.yorku.ca/science/research/hep/>) has an opening for a postdoctoral fellow to work on the ATLAS experiment at the CERN LHC.

The York ATLAS group currently comprises 1 professor, 1 postdoc, and 2 graduate students. The group leads the search for magnetic monopoles in pp collisions. The ATLAS Run 2 monopole search analysis publication was highlighted in the Jan/Feb 2024 CERN Courier.

The York ATLAS group contributes to the Transition Radiation Tracker operations and is part of a broader Canadian effort in the construction of the inner tracker (ITk) strip detector as part of the ATLAS Phase-II upgrade.

Job description:

- Playing a leading role in the ATLAS Run 3 magnetic monopole pp search analysis.
- Option to contribute to ITk silicon sensor module Quality Control tests.
- Performing ATLAS operations tasks, such as control room and data quality shifts.
- Providing supervisory support to York undergraduate and graduate students.

Qualifications required:

- A PhD in experimental particle physics awarded within the past five years.
- Excellent particle physics analysis skills, strong programming background in C++ and python, and ability to work in small and large collaborations.
- Expertise in exotic long-lived particle searches is an asset.
- Detector and laboratory skills are an asset.

Details of the position:

- The successful candidate may be based at York University in Toronto or at CERN, to be determined.
- The initial full-time appointment is for one year, potentially renewable yearly for up to four years.

Application procedure:

- Send a cover letter, a Curriculum Vitae and a two-page research statement to Professor Wendy Taylor at taylorw@yorku.ca by **August 15, 2024**.
- Arrange for two letters of recommendation to be sent directly to taylorw@yorku.ca.

Inquiries should be directed to Professor Wendy Taylor at taylorw@yorku.ca.

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