

October 29, 2020



**Postdoctoral Fellow Position
at the University of Wisconsin-Madison with ATLAS
Oct. 29,2020**

The Department of Physics at the University of Wisconsin-Madison (UW) invites applications for one postdoctoral Fellow position to work in the ATLAS experiment at the LHC.

The ATLAS group at UW is led by Professor Sau Lan WU (sau.lan.wu@cern.ch). The group contributes to several ATLAS service and detector-related projects: in Phase-II Pixel upgrade (in collaboration with Berkeley), in DAQ and high-level trigger, and in ATLAS computing, in particular machine learning R&D.

On the physics analysis front, we are active in several areas: Higgs production in association with top quark pairs (ttH), Higgs decays to muon pairs, di-Higgs production, measurements of the Higgs properties, and searches for Dark Matter through mono-Higgs.

The successful candidate will spend half time in ATLAS physics analyses and half time in machine learning R&D. This candidate is expected to play a prominent role in the areas of physics related to the Higgs boson and Dark Matter search. The successful candidate is also expected to play a prominent role in the machine learning algorithm R&D to improve significantly the performance for Run 3 and HL-LHC data analyses.

The successful candidate will be at CERN full time (at the time when CERN is fully open to users). Initial appointment will be for one year, renewable up to three years, subject to mutual satisfaction. A Ph.D. in experimental high energy physics is required at the time of employment.

The application material will consist of (1) curriculum vitae, (2) a one or two pages description of research interests and accomplishments to date and (3) three letters of recommendation sent directly by the referees. For initial contact please send an email to Professor Sau Lan WU at sau.lan.wu@cern.ch to express your interest in this position.

Please send the material by email to:
Professor Sau Lan WU (sau.lan.wu@cern.ch).

Applications will be accepted until the position is filled.

The University of Wisconsin-Madison is an Equal Opportunity/Affirmative Action Employer.