

Postdoctoral Research Associate

University of Wisconsin-Madison Experimental High Energy Physics Group

The experimental high energy physics group at the University of Wisconsin-Madison has an immediate opening for a postdoctoral research associate with the CMS experiment at the Large Hadron Collider (LHC). We are pursuing a broad physics program in Standard Model physics, Higgs physics (both Standard Model and new physics), and direct searches for physics beyond the Standard Model. The quickly increasing data set of 13 TeV proton-proton collisions offers exciting possibilities for measurements of Standard Model phenomena and searches for new physics.

Working in our group offers exciting opportunities associated with our responsibilities in the CMS experiment and in analysis of the LHC Run 2, 13 TeV collision data. The successful applicant is expected to take a leading role in the in the development for the CMS GEM endcap muon electronics as well as perform frontier physics analysis. A Ph.D. in experimental particle physics is required and a strong record of research, including experience in physics analysis and hardware, is preferred. Our group which is lead by 5 faculty (Prof Kevin Black, Prof Tulika Bose, Prof Sridhara Dasu, Prof Matthew Herndon, and Prof Wesley Smith) has leading roles in CMS physics analyses and the trigger, muon and computing systems. The successful candidate is expected to be based primarily at CERN but we are open to discussions of other arrangements.

Applicants should submit their materials here. A complete application includes the following materials: a curriculum vitae, a short statement of research interests, and three letters of reference which you can arrange to be sent separately through the application form. Review of applications will begin immediately, but the position will remain open until filled. For inquiries, please contact Prof. Black (kblack@hep.wisc.edu).

Unless confidentiality is requested in writing, information regarding the applicants must be released upon request. Finalists cannot be guaranteed confidentiality. UW-Madison is an affirmative action/equal employment employer and we encourage women, minorities, veterans, and people with disabilities to apply. A background check is required prior to employment.