

POSTDOCTORAL RESEARCH ASSOCIATE POSITION

Experimental High Energy Particle Physics

University of Illinois at Chicago

The High Energy Physics group at the University of Illinois at Chicago (UIC) has an immediate opening for a postdoctoral research associate to work on the CMS experiment. The candidate will join our ongoing program led by Profs. Adams, Cavanaugh, Gerber, Mills, and Varelas. Our group contributes to the CMS tracker and the Level-1 and High-Level trigger systems. We are very active in the analysis of CMS collider data, with broad interests including Higgs boson production, QCD, Vector Boson and top quark production, and searches for signatures beyond the Standard Model.

The successful candidate is expected to take a leadership role in the analysis of CMS collider data and contribute to our hardware responsibilities related to the Phase 2 CMS upgrade. The analysis program will focus on searches for signatures beyond the Standard Model, in particular in final states that involve top quarks. Hardware work will be part of our group's commitment to the upgrade of the forward pixel tracker for the high-luminosity LHC.

UIC is located in downtown Chicago, at driving distance from Fermilab. The candidate is expected to be able to perform duties at both locations (UIC and Fermilab) and also to travel internationally, to CERN. This position will be based primarily at Chicago/Fermilab because of the hardware responsibilities, but there is the possibility of also spending an extended period of time at CERN.

Candidates should have a Ph.D. in high-energy physics or related field, and preference will be given to applicants with experience or strong interest in silicon tracker systems.

Interested candidates should provide a curriculum vita, a brief description of research interests, and the names of three references, via <https://jobs.uic.edu/job-board/job-details?jobID=100305>

The search will close September 17, 2018.

For general questions about this position, please contact Professor Cecilia Gerber at gerber@uic.edu.

The University of Illinois at Chicago is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans, and individuals with disabilities are encouraged to apply. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.