The High Energy Physics Group at Purdue University has an opening for a postdoctoral research associate to work on the CMS experiment.

The selected candidate will work in a group that has extensive involvement in many aspects of CMS, including hardware, software, and physics analysis. The Purdue CMS group is actively engaged in all aspects of triggering and reconstruction of muons with a physics focus on the analysis of lepton final states. The current physics analysis activities of the group include measurements of Standard Model processes, the search for physics beyond the Standard Model and the study of the Higgs boson. In addition, the group is involved in detector upgrade projects. The successful candidate is expected to take on a leadership role in this physics analysis effort within the Exotica physics group and in the ongoing development of the muon reconstruction and High-Level trigger software. Candidates should have a Ph.D. in experimental particle physics, excellent data analysis, computing and programming skills and the ability to carry out an independent research program. The preferred location for this position is at CERN.

The Purdue group has played a major role in the construction and commissioning of the CMS forward pixel detector, hadron calorimeter, endcap-muon detector, and the development of high-level trigger software. At Purdue we operate a Tier-2 computer center, providing resources for data analysis both locally and as part of the CMS computing Grid.

The nominal deadline for the receipt of applications is May 19, 2014, but the search will continue until the position is filled. The appointment is initially for one year and renewable annually, subject to mutual satisfaction. Interested candidates should send a curriculum vitae and arrange for three letters of recommendation to be sent to: Prof. Norbert Neumeister (neumeist@purdue.edu).

Purdue University is an Equal Opportunity Affirmative Action Employer. Applications from minority and female candidates are encouraged.