

Postdoctoral Position in Experimental High Energy Physics at UC Davis

The experimental high energy physics group at the University of California, Davis invites applications for a postdoctoral research position in experimental particle physics on the CMS experiment. A Ph.D. in particle physics is required. The CMS team at UC Davis comprises four faculty (Profs. Chertok, Conway, Erbacher, Mulhearn), one senior researcher, and a number of postdoctoral researchers and graduate students. The successful candidate will work under the supervision of one or more faculty, and is expected to play a leading role in one of the group's main CMS projects: endcap muon CSC and/or GEM detector, pixels/tracker, and trigger systems, both on upgrades and operations. The selected candidate will be expected to make major contributions to the analysis of CMS data, particularly in the area of searches for new particles. Current group interests include measurements and searches using jet substructure, tau signatures, new particles coupling to the Higgs boson, and development of advanced techniques in particle tagging including applications using machine learning. It is anticipated that the work will be based at CERN for a major portion of the duration of the appointment. There may eventually be opportunities for some presence at the Fermilab LHC Physics Center or UC Davis as well.

The position is open immediately and will remain open until filled. Interested candidates can apply by sending a cover letter, curriculum vita, and statement of research interests and experience, all in PDF format, and arrange to have at least three letters of reference sent to:

**University of California
Department of Physics and Astronomy
CMS Group**

postdoc-cms-2021@physics.ucdavis.edu

https://physics.ucdavis.edu/download_file/1177/0

All inquiries should be directed to postdoc-cms-2021@physics.ucdavis.edu