

University of California, Davis, Department of Physics & Astronomy

Position ID: [UCD-Physics&Astronomy-CMSPOSTDOCS](#) [#28283]
Position Title: Postdoctoral Position in Experimental High Energy Physics at UC Davis
Position Type: Postdoctoral
Position Location: Geneva, Geneva 95616, Switzerland [[map](#)] 🌐
Subject Area: [Physics](#) / [Experimental Particle Physics](#)
Appl Deadline: 2025/08/15 11:59PM (posted 2024/09/03)
Position Description: [Edit](#) [[revs](#)] [[viewed](#)] [Preview](#) [Status](#) mv 🤖 👤

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. The CMS group at UC Davis comprises four faculty (Profs. Chertok, Citron, Conway, Erbacher), one senior researcher, and a number of postdoctoral researchers and graduate students.

The successful candidate will work under the supervision of Prof. Robin Erbacher, and is expected to play a leading role within the endcap muon CSC and/or GEM detector subsystems, both on upgrades and operations. They will also work on CMS data analysis, particularly on measurements and searches using jet substructure and development of advanced techniques in particle tagging, including applications using machine learning, and are expected to take leading roles in these areas. It is anticipated that the work will be based at CERN for a major portion of the duration of the appointment. There may be opportunities for some presence at the Fermilab LHC Physics Center or UC Davis as well.

A Ph.D. in experimental high energy physics is required. The appointment is initially for two years and renewable annually, subject to mutual agreement. The position is open immediately and will remain open until filled. The level of this appointment is ideal for candidates who recently completed their PhD (or is expecting to soon). Interested candidates can apply by submitting a cover letter, curriculum vitae, and statement of research interests and experience (max 3 pages), and arrange to have three letters of recommendation, all submitted online through Academic Jobs Online at <https://academicjobsonline.org/ajo/jobs/28283>.

UC Davis is an Affirmative Action/Equal Opportunity employer, and particularly encourages applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community. For the complete University of California nondiscrimination and affirmative action policy see: <http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>.

All inquiries should be directed to postdoc-cms-2024@ucdavis.edu

Application Materials Required:

Submit the following items online at this website to complete your application:

- Cover letter
- Curriculum Vitae
- Research statement
- Three reference letters (to be submitted online by the reference writers on this site 🤖)

Further Info:

[The UC Davis CMS Group <postdoc-cms-2024@ucdavis.edu>](mailto:postdoc-cms-2024@ucdavis.edu)

7/8/25, 7:27 AM

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