

Postdoctoral Position in Experimental High Energy Physics at University of California, Davis

The Experimental High Energy physics group at the University of California, Davis (UC Davis) invites applications for a postdoctoral research position in experimental particle physics on the Compact Muon Solenoid (CMS) Experiment. A Ph.D. in particle physics is required.

The CMS Group at UC Davis currently consists of four professors, one senior researcher, five postdoctoral researchers, and more than ten graduate students. 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. The successful candidate will work under the supervision of one, or more, of the professors, with expectations to play a leading role in the group's CMS Forward Pixel (FPIX) efforts. The selected candidate will also have an expectation to make major contributions to the analysis of CMS data, particularly in the area of searches for new particles.

It is anticipated that the work will be based at the European Organization for Nuclear Research (CERN - Conseil Européen pour la Recherche Nucléaire) for a significant portion of the duration of the appointment. In addition to the CMS Experiment, the group is involved in the Accelerator Neutrino Neutron Interaction Experiment (ANNIE), the DarkSide Collaboration, the Deep Underground Neutrino Experiment (DUNE), the Large Underground Xenon/LUX-ZEPLIN (LUX/LZ) Collaboration, and Theia. With this position, there may be future opportunities for some presence at the Fermilab Large Hadron Collider (LHC) Physics Center (LPC) in Batavia, IL, at UC Davis, and/or with a collaborative project at one of the national lab facilities near the UC Davis campus (LBNL, LLNL, and SLAC).

Candidates **must** have completed a Ph.D. in experimental particle physics. The position is open immediately and will remain open until filled.

The University of California, Davis, is an affirmative action/equal opportunity employer with a strong institutional commitment to the achievement of diversity among its faculty and staff.

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HOW TO APPLY:

Interested candidates can apply by:

1. Submitting your application, which should include a Cover Letter, Curriculum Vitae, and Statement of Research Interests and Experience, all in PDF format, **and**
2. Arranging to have three (3) Reference Letters sent to:

University of California, Davis
Department of Physics and Astronomy
CMS Group

postdoc-cms-2022@physics.ucdavis.edu

Contact:

Please direct all inquiries here: postdoc-cms-2022@physics.ucdavis.edu

Physics & Astronomy Department Employment: <https://physics.ucdavis.edu/employment>

Direct Posting: <http://www.physics.ucdavis.edu/employment/docs/postdoc-cms-2022.pdf>

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The University

The University of California, Davis (UC Davis) is a distinguished university, ranked 5th nationally by the Wall Street Journal/Times Higher Education and 11th nationally by US News and World Report among U.S. public universities overall and for research funding. It is also ranked #1 by Forbes Magazine as “The 13 Most Important STEM Colleges for Women.” Forbes has also ranked UC Davis as 52nd among the Best Employers for Diversity. Please review the full position description to learn more about the acclaimed university and the notable rankings we have received regarding diversity, environmental sustainability, work-life balance, and more.

Our Commitment to Inclusive Excellence

UC Davis is committed to inclusive excellence by advancing equity, diversity, and inclusion in all that we do. UC Davis celebrates the multi-cultural diversity of its community by creating a welcoming and inclusive environment demonstrated through a variety of resources and programs available to academics, staff, and students. Diversity, equity, inclusion, and belonging are core values of UC Davis that are embedded within our [Principles of Community](#) and are tied with how to best serve our student population. Our excellence in research, teaching, and service can best be fully realized by members of our academic community who share our commitment to these values, which are included in our [Diversity and Inclusion Strategic Vision](#), our strategic plan: “[To Boldly Go](#),” our [Principles of Community](#), the [Office of Academic Affairs’ Mission Statement](#), and the [UC Board of Regents Policy 4400: Policy on University of California Diversity Statement](#). UC Davis is making important progress towards our goal of achieving federal designation as a [Hispanic- Serving Institution and an Asian American, Native American, and Pacific Islander-Serving Institution](#). The [Office of Diversity, Equity, and Inclusion](#) offers a plethora of resources on their website, and the [Office of Health Equity, Diversity, and Inclusion \(HEDI\)](#) have outlined similar goals in their Anti-Racism and DEI Action Plan.” There are a plethora of links available on the [About Us](#) webpage where you can learn more about our Administration, Diversity and Inclusion, Rankings, Locations, Native American Land Acknowledgement, Sustainability, Visiting UC Davis, UC Davis Health, and Campus Safety.

EEO Statement

We are an Affirmative Action/Equal Opportunity employer, and particularly encourage 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. The complete University of California nondiscrimination and affirmative action policy can be found here: <http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>.

Work Eligibility Statement

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check. More information is available: <http://www.uscis.gov/e-verify>.

Tobacco-Free Statement

UC Davis is a smoke and tobacco-free campus: (<http://breathefree.ucdavis.edu/>).

Environmental Sustainability

The University is consistently ranked among the top institutions in the world for campus sustainability practices by the [UI Green Metric World University Rankings](#). UC Davis is focused on achieving net-zero greenhouse gas emissions and has repeatedly shown its [commitment to preserving a healthy and sustainable environment for generations to come](#).

If you need an accommodation due to a disability, please contact the recruiting department.