Postdoctoral Position in Experimental High Energy Physics at UC Davis

Job #JPF06592
- PHYSICS / LETTERS AND SCIENCE: MATH/PHY SCI / UC Davis

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POSITION OVERVIEW

Salary range: Salary range: The posted UC salary scales (https://www.ucop.edu/academicpersonnelprograms/compensation/index.html) set the minimum pay determined by rank and/or step at appointment. See Table 23: Postdoctoral Scholar-Employee, Postdoctoral Scholar-Fellow, Postdoctoral Scholar-Paid Direct, Fiscal Year (https://www.ucop.edu/academic-personnel-programs/_files/2023-24/oct-2023-acadsalaryscales/t23.pdf). The salary range for this position is $64,480 - $66,868. “Off-scale salaries”, i.e., a salary that is higher than the published system-wide salary at the designated rank and step, are offered when necessary to meet competitive conditions, qualifications, and experience.

APPLICATION WINDOW

Open date: July 10, 2024

Next review date: Saturday, Aug 10, 2024 at 11:59pm (Pacific Time)
Apply by this date to ensure full consideration by the committee.

Final date: Saturday, Sep 14, 2024 at 11:59pm (Pacific Time)
Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

POSITION DESCRIPTION

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. Interested candidates can apply by submitting a cover letter, curriculum vitae, and statement of research interests and experience (max 3 pages), all in PDF format, to , and arrange to have at least three letters of reference sent to: postdoc-cms-2024@ucdavis.edu

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

QUALIFICATIONS

Basic qualifications (required at time of application)
Candidates must have completed a Ph.D. in Experimental High Energy Physics or related area(s) prior to beginning employment.

Preferred qualifications (other preferred, but not required, qualifications for the position)
Candidate should have experience with endcap muon CSC and/or GEM detector subsystems, both on upgrades and operations, as well as CMS data analysis, and applications using machine learning.

APPLICATION REQUIREMENTS

Document requirements
- Curriculum Vitae - Your most recently updated C.V.

- Cover Letter
- Statement of Research Interests and Experience
- Statement of Contributions to Diversity, Equity, and Inclusion - Contributions to diversity, equity, and inclusion documented in the application file will be used to evaluate applicants. Visit https://academicaffairs.ucdavis.edu/faculty-equity-and-inclusion for guidelines about writing a statement and why one is requested.

Reference requirements

- 3-5 letters of reference required

Please arrange to have at least three letters of reference sent to: postdoc-cms-2024@ucdavis.edu

Apply link: https://recruit.ucdavis.edu/JPF06592
Help contact: kjscruggs@ucdavis.edu

ABOUT UC DAVIS

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

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 University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy.

For the University of California's Affirmative Action Policy, please visit: https://policy.ucop.edu/doc/4010393/PPSM-20

For the University of California's Anti-Discrimination Policy, please visit: http://policy.ucop.edu/doc/1001004/Anti-Discrimination

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 UC Davis positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check. More information is available at: http://www.uscis.gov/e-verify

The University of California, Davis (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) has 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.

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 repeatedly shown its commitment to preserving a healthy and sustainable environment for generations to come.

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

JOB LOCATION

Davis, CA