

**Postdoctoral Position**  
**Search for Rare Muon Process**  
**Department of Physics**  
**University of California, Davis**

Experiment: Mu2e, Fermilab  
Deadline: 2018-06-01

The experimental high energy physics group at the University of California, Davis invites applications for a postdoctoral research on the Mu2e Experiment, to be based at the Fermi National Accelerator Laboratory. The responsibilities of this position include elements of both particle physics and accelerator physics, and the successful candidate must have an interest in both. Candidates must have completed a PhD in High Energy Physics or Accelerator physics prior to beginning employment.

The Mu2e Experiment will search for the conversion to an electron of a muon that has been captured on an aluminum nucleus. This reaction is sensitive to a very broad range of physics beyond the Standard Model, and this experiment will have roughly 10,000 times the sensitivity of the previous best experiment.

This experiment has very specific and stringent specifications for proton beam delivery. Overseeing the construction and commissioning of the hardware required to meet these specifications, as well as the hardware to verify that they have been met, will be the primary responsibilities of this position; however, the successful candidate will also be expected to take an interest and active role in the physics goals of the experiment.

This is a full-time, 2-year postdoctoral appointment with the possibility of renewal based on satisfactory job performance, continuing availability of funding and ongoing operational needs. Candidates must have less than 3 years of paid postdoctoral experience. Salary for this position depends on experience level. This position is represented by a union for collective bargaining purposes and may be subject to a background check.

Interested candidates should send a cover letter, curriculum vitae, and statement of research interests and experience and arrange for three references to be sent by June 1, 2018 for full consideration, but the position will remain open until filled.

Women and minority candidates are urged to apply. The University of California is an Equal Opportunity/Affirmative Action Employer.

Application website: <https://recruit.ucdavis.edu/apply/JPF02131>

Application assistance: Lynn Loftin Mayo; [lloftinmayo@ucdavis.edu](mailto:lloftinmayo@ucdavis.edu); 530-752-4088