

**University of California, Irvine**  
**Postdoc Positions**  
**Experimental Particle Physics**  
**MEG and mu2e Experiments**

One or more postdoctoral research positions are available at the University of California, Irvine, in the experimental particle physics group. The group participates in the MEG and mu2e experiments to search for muon and electron number violation in processes involving muons (CLFV).

MEG is a search for the decay  $\mu^+ \rightarrow e^+ \gamma$  at the Paul Scherrer Institute in Switzerland. We expect to reach a branching fraction sensitivity approaching  $10^{-13}$ , which would be the most sensitive experiment to date. We have reported results from the first data at sensitivity of  $\sim 10^{-11}$ , collected additional data with sensitivity approaching  $10^{-12}$ , and will continue running for 2-3 years to reach the final sensitivity.

Mu2e is a search for the process  $\mu^- N \rightarrow e^- N$  at Fermilab. We expect to reach sensitivity below  $10^{-16}$ . This experiment is closely modeled on the design of the MECO experiment, for which UCI had the leading role.

The position represents a unique opportunity for a young physicist both to get physics results from the most sensitive running search for CLFV and to help develop the most sensitive planned future CLFV experiment.

Applicants are required to have a Ph.D. in experimental particle physics or a related field. They should send a curriculum vitae and application letter and arrange for three letters of recommendation to be sent to: W. Molzon, Department of Physics & Astronomy, University of California, Irvine, CA 92697-4575 or, preferably, by email to [wmolzon@uci.edu](mailto:wmolzon@uci.edu). Applications received by April 30, 2010 will receive full consideration, and the positions will remain open until filled.

*UCI is an equal opportunity employer committed to excellence through diversity.*