

## **Postdoctoral Positions in Experimental High Energy Physics at UC Davis**

The experimental high energy physics group at the University of California, Davis, invites applications for three postdoctoral research positions in experimental particle physics on the CDF and CMS experiments, starting as soon as possible. A Ph.D. in particle physics is required.

The CDF experiment at the Tevatron at Fermilab continues to amass a very large data set, with plans to continue through 2011. UC Davis has responsibilities on the CDF trigger and operations, and a physics focus on searches for new phenomena with tau leptons (Higgs boson searches and supersymmetry), with top quarks, and in SM Higgs physics. The CDF group at UC Davis has four faculty, one senior researcher, two postdocs, and four graduate students. The successful candidate will initially focus on CDF at Fermilab, working under the supervision of Profs. Robin Erbacher and John Conway, transitioning later to the CMS experiment.

The UC Davis group has been heavily involved in CMS since its beginning, and has made major contributions to both hardware and software aspects of the forward pixel and endcap muon detectors. Currently, the group is participating in detector commissioning and operations as well as preparing for physics data analysis at the start of LHC running. These include searches for Higgs and SUSY phenomena with leptons, including taus, new phenomena searches with photons, and measurements and searches with high- $p_T$  top quarks. The group is also developing projects for detector upgrades for high-luminosity LHC running. The CMS effort at UC Davis comprises six faculty, three senior researchers, four postdoctoral researchers, and nine graduate students. There are two CMS positions available, working under Profs. Maxwell Chertok, John Conway, Robin Erbacher, and Mani Tripathi.

Interested candidates should send a cover letter, curriculum vita, and statement of research interests and experience, all in PDF format, and arrange to have at least three letters of reference sent to:

**Mr. Bill Tuck**  
**Department of Physics**  
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**University of California**  
**Davis, CA 95616-8677**  
**Phone: 530 752-4088 / Fax: 530 752-4717**

[tuck@physics.ucdavis.edu](mailto:tuck@physics.ucdavis.edu)  
<http://www.physics.ucdavis.edu/Employment.html>

**Inquiries should be directed to [hee-postdoc@physics.ucdavis.edu](mailto:hee-postdoc@physics.ucdavis.edu)**

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