



The University of California, Santa Cruz invites applications for the position of Postdoctoral Scholar in the Detector R&D Group at the [Santa Cruz Institute for Particle Physics](#) (SCIPP).

SCIPP is an internationally recognized leader in detector R&D. SCIPP has had a major role in the development and commissioning of the Semi-Conductor Tracker (SCT) in ATLAS at the large hadron collider LHC at CERN, and is presently part of the ATLAS ITk Strip and Pixel projects for the HL-LHC. In the last few years, the SCIPP detector R&D group has been at the forefront of the new exciting development of ultra-fast silicon detectors (UFSD) for 4D tracking, being considered for implementation in both ATLAS and CMS. In addition, application of CMOS technology for tracking sensors is being pursued.

Under the mentorship of Profs. Abraham Seiden and Hartmut Sadrozinski, the successful job candidate will be expected to take a leading role in the development of Ultra-Fast Silicon Detectors (UFSD) and CMOS detectors, based on laboratory and beam test measurement and including simulations of detector performance.

**RANK:** Postdoctoral Scholar - Employee

**SALARY:** Commensurate with experience and qualifications, with an annual salary between \$50,000-\$54,000

**BASIC QUALIFICATIONS:** Ph.D. or equivalent foreign degree in Experimental Particle Physics or related field.

**PREFERRED QUALIFICATIONS:** Demonstrated experience with semiconductor sensors and readout electronics. Leadership experience and demonstrated initiative in identifying new opportunities with experimental data.

**POSITION AVAILABLE:** Expected start date July 1, 2017. Ph.D. in hand at time of appointment.

**TERM OF APPOINTMENT:** Initial appointment is for one year, with possible extension for a total of five years; with annual reappointment contingent upon positive performance review and availability of funding. For appointments within the University of California, a total duration of an individual's postdoctoral service may not exceed five years, including postdoctoral service at other institutions.

**TO APPLY:** Applications are accepted via the UCSC Academic Recruit online system, and must include a curriculum vitae, a statement of research interests, a list of publications and three confidential letters of reference.\* Documents/materials must be submitted as PDF files.

**APPLY AT:** <https://recruit.ucsc.edu/apply/JPF00442>

Refer to Position JPF00442-17T in all correspondence.

*\*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>*

**CLOSING DATE:** Review of applications will begin on May 8, 2017. To ensure full consideration, materials should be complete by this date. The position will remain open until filled, but not later than June 30, 2018.

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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, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to: Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064; (831) 459-2686.

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UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact the Academic Personnel Office at [apo@ucsc.edu](mailto:apo@ucsc.edu) (831) 459-4300.

VISIT THE APO WEB SITE AT: <http://apo.ucsc.edu>

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