Postdoctoral Scholar

The Santa Cruz Institute for Particle Physics (SCIPP) is seeking applicants for a post-doctoral fellow in experimental particle physics. The position would be for participation in the BaBar experiment, with the option of working up to half-time on hardware R&D for a future Linear Collider Detector.

SCIPP has a strong program on BaBar, with numerous analyses underway in the areas of charm physics and the study of radiative penguin processes. Our current detector responsibilities lie in the area of SVT operations and software/simulation. We are excited about the opportunities afforded by the projected tripling of the BaBar data sample over the next several years.

The current focus on the Linear Collider effort is on the exploration of long shaping-time silicon strip readout, including both analog front-end and digital architecture development. The SCIPP Linear Collider group is currently characterizing the LSTFE2 preamplifier/comparator chip and implementing an FPGA-based readout strategy, as well as designing a long (1-2 meter) ladder facility for in-situ tests of the readout strategy. The successful candidate could make an essential contribution to the continued development of the long shaping-time readout scheme, working towards a test beam run in late 2007.

Rank: Postdoctoral Scholar
Salary: Commensurate with experience and qualifications and contingent upon availability of funding, annual range between $38,556 - $42,780.
Minimum Qualifications: Ph.D. or equivalent in experimental particle or astro physics and some experience both with electronics and software.
Position available: November 15, 2005
Apply to: Please send a vitae and three letters of reference to:

Professor Bruce Schumm
Santa Cruz Institute for Particle Physics
University of California
1156 High Street
Santa Cruz, CA  95064

Closing date: Open until filled

WOMEN AND MINORITIES ARE ENCOURAGED TO APPLY

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