Applications are invited for a postdoctoral researcher in the SuperCDMS group at Southern Methodist University (SMU). The SuperCDMS collaboration is in the process of building and deploying an experiment for the direct detection of dark matter. The experiment is located in the Soudan Underground Mine in northern Minnesota. When completed, the experiment will contain 15 Ge cryogenic detectors, each photolithographically patterned to collect phonon and ionization signals from the interactions of WIMPs in the crystals. The SuperCDMS detectors have enhanced design features that will give them superior background rejection capabilities over the original CDMS detectors.

The successful candidate will be stationed at SMU in Dallas, TX and will be expected to travel to the site of the experiment for detector deployment and operations several times a year. Research possibilities include analysis of SuperCDMS data, simulations, and development of detectors for low background material screening. In addition, the successful candidate will have the opportunity to participate in the planning and design of the proposed SuperCDMS 100 kg project which will be deployed in SNOLAB located in Sudbury, Canada.

Applications should include a CV with publications list and a statement of research interests. Please also arrange for 3 letters of recommendation to be sent to Professor Jodi Cooley. Review of applications will begin immediately and will continue until the position is filled. Students with a background in particle and/or astrophysics are encouraged to apply.

Professor Jodi Cooley  
SMU - Physics Department  
P.O. Box 0175  
Dallas, TX 75275-0175  
e-mail: cooley@physics.smu.edu

SMU is an equal opportunity, affirmative action employer. SMU will not discriminate on the basis of race, color, religion, national origin, sex, age, disability or veteran status.