

Department of Physics  
MCMICKEN COLLEGE OF ARTS AND SCIENCES

SUMMER RESEARCH OPPORTUNITIES  
FOR UNDERGRADUATE WOMEN

APPLICATION DEADLINE: March 1, 2006

The Department of Physics is pleased to offer the following research project for the summer of 2006. Interested students are urged to contact the faculty member(s) directing the project that most interests them. By contacting the faculty member, you can discover more about the project, learn what your responsibilities will be and if possible, develop a timetable for the twelve-week research period.

**ANALYSIS OF DATA FROM A PARTICLE PHYSICS EXPERIMENT**

Professor Mike Sokoloff  
Department of Physics  
411 Geo/Physics  
Cincinnati, OH 45221-0011  
Tel. (513)556-0533  
Fax. (513)556-3425  
Email: [mike.sokoloff@uc.edu](mailto:mike.sokoloff@uc.edu)

We have an opportunity for a student to work on the analysis of data from the Babar experiment at the Stanford Linear Accelerator Center. This is a high energy physics experiment which (primarily) studies the decays of particles containing charm or bottom quarks. The student does not need any background with particle physics, but should have completed at least one year of calculus-based physics. The position will entail extensive computer programming, although no specific knowledge of computers or experience is necessary.