Summer Undergraduate Research Experiences in Cosmology for Minorities and Women

Research areas include theoretical, observational, and experimental cosmology:

- Formation of large-scale structure in the early Universe
- The Cosmic Microwave Background (CMB)
- Characterization of the dark energy and dark matter in the universe
- Understanding the possible role of an inflationary period in the early universe
- Probing particle interactions at high energies with astrophysical phenomena

Summer Research Experiences will support these efforts through the construction of instrumentation, data analysis, and theoretical calculations.

Location – Center for Cosmological Physics @ The University of Chicago

Opportunities: We anticipate that five (5) cosmological research internships will be awarded for the ten-week program, approximately June 16 through August 22, 2003. The stipend for the full ten-week program will be $4,000. Housing will be provided or subsidized, and there will be modest travel expense reimbursement.

Eligibility: Participants must be U.S. citizens or permanent residents who are enrolled in (but not yet graduated from) an accredited undergraduate college degree program with a concentration in a math, science, or engineering field. Women and underrepresented minority candidates are encouraged.

For application or for further information visit (http://cfcp.uchicago.edu/reu) or contact:

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CfCP is a National Science Foundation (NSF) sponsored Physics Frontier Center (PFC). CfCP seeks to make transformational advances in our understanding of Dark Energy, the Inflationary Epoch, and Nature's highest energy particles.