Summer Astrophysics Research Experiences for Undergraduate Minorities and Women

The Center for Cosmological Physics (CfCP) & The Center for Astrophysical Research in Antarctica (CARA)

Research areas include theoretical, observational, and experimental astrophysics:

- Formation of large-scale structure in the early Universe
- The origins of star-forming molecular clouds
- The Cosmic Microwave Background (CMB) - anisotropy & polarization
- The dark energy and dark matter in the Universe
- Particle interactions at the very highest energies

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

Locations – The University of Chicago & any of the following CARA partner institutions:

- University of California Berkeley
- University of California Santa Barbara
- Northwestern University
- Boston University
- Smithsonian Astrophysical Observatory
- Cornell University
- Rochester Institute of Technology
- Carnegie Mellon University
- Jet Propulsion Laboratory (JPL)

Opportunities: We anticipate that eight (8) astronomical research internships will be awarded for the ten-week program, approximately June 17 through August 23, 2002. The stipend for the full ten-week program will be $3,800. Housing will be provided or subsidized, and there will be modest travel expense reimbursement.

Eligibility: Women and underrepresented minorities strongly encouraged. Applicants 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.

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

or contact: Randall Landsberg
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Deadline for summer 2002:
February 15, 2002

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.

CARA is a NSF sponsored Science and Technology Center. CARA's scientific mission is to take advantage of the unique characteristics of the South Pole as an observatory site to study the evolution of structure in the Universe.