

2008 Lightner-Sams Graduate Fellowship in Physics at SMU

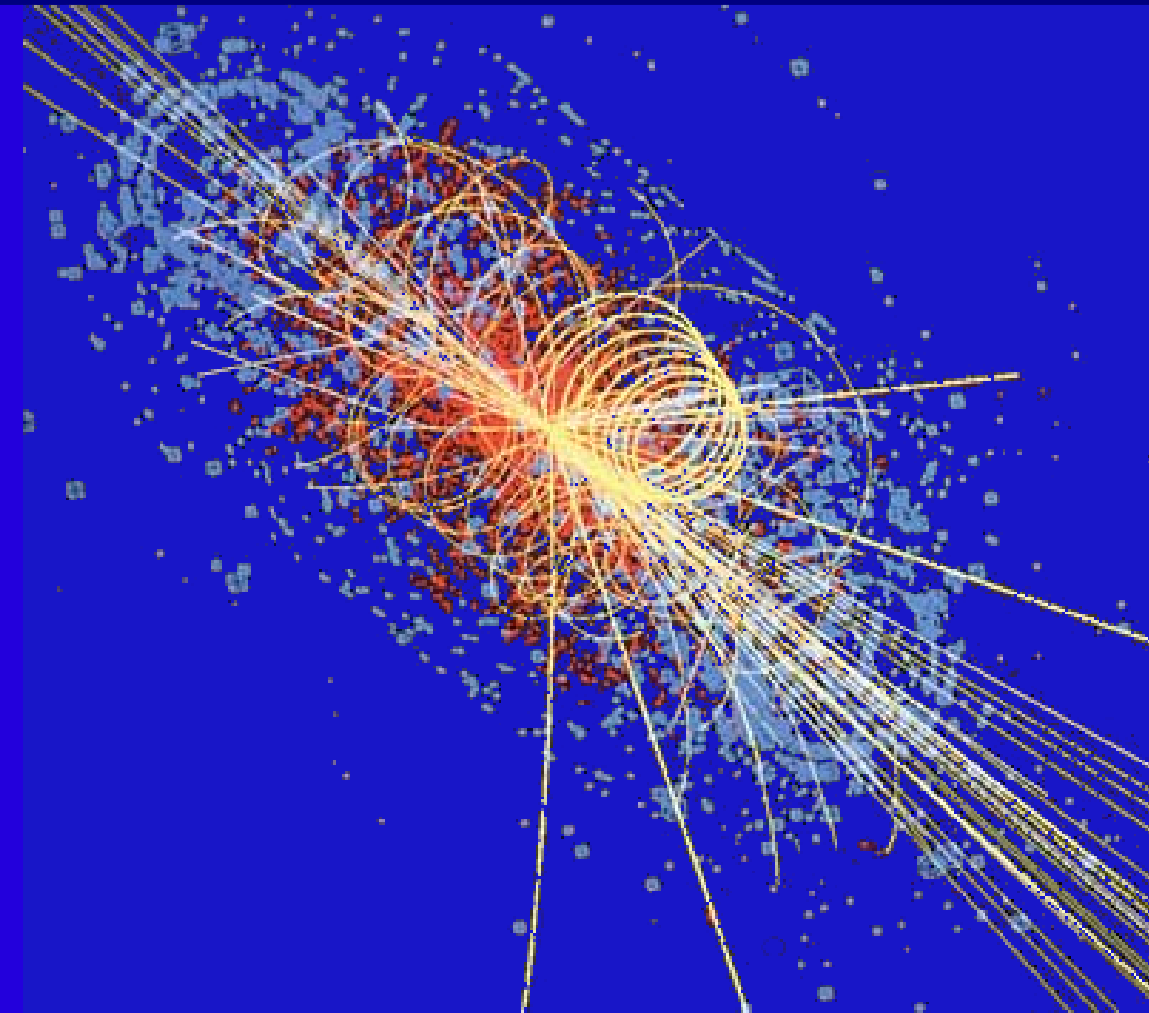
The SMU Physics Department is pleased to announce the Lightner-Sams Graduate Fellowships in Physics. The fellowships are awarded on a competitive basis to support exceptional Ph.D. graduate students early in their careers by providing unique opportunities for first-hand research in elementary particle physics. Fellows will work with the SMU Physics research group of their choice. In addition to the regular 12 month stipend the recipient will receive \$6000 for research oriented activities.

RESEARCH: The scientists in the SMU physics department study the properties of the most fundamental constituents of matter and the laws governing their behavior. Some of the most important questions today concern the origin of elementary particle masses, the apparent asymmetry between matter and anti-matter in the universe, and the nature of dark matter and dark energy.

EXPERIMENT: SMU experimental physicists work on the ATLAS experiment at the Large Hadron Collider at CERN in Geneva, Switzerland, on the D0 and NovA experiments based at the Fermi National Accelerator Laboratory, and on the e-bubble experiment for DUSEL.

THEORY: The theory group at SMU works in a broad range of topics including particle physics, astrophysics, computational lattice QCD, and physics beyond the standard model.

Named, with warm appreciation, in honor of Larry and Sue Lightner, long time supporters of SMU Physics through the Lightner-Sams Foundation.



FELLOWSHIP APPLICATION: Fellowships will begin in August 2008, and are awarded for a one-year period. Applications are to be submitted before March. 15, 2008 to:

**Director, Graduate Admissions
SMU Physics Department
P.O. Box 75-0175
Dallas, TX 75275-0175**

For more information, see the SMU Physics web page at:
www.physics.smu.edu
or contact the Physics Department at:
1+(214) 768-2495