



welcome to the

STANFORD LINEAR ACCELERATOR CENTER

The Stanford Linear Accelerator Center (SLAC) is a national laboratory devoted to experimental and theoretical research in elementary particle physics, particle astrophysics, x-ray science, accelerator and beam physics. SLAC was established in 1962 with a mission to design, construct and operate state-of-the-art electron accelerators and related experimental facilities for use in elementary particle physics research. This mission has since been broadened to include what are now closely related disciplines such as x-ray science and particle astrophysics and cosmology. Formally, SLAC is operated by Stanford University for the United States Department of Energy. Stanford University faculty and scientific staff along with a large, diverse and international community of collaborators, provide input into the future directions of the Laboratory's research program. There are two distinct faculties at SLAC; one for particle physics and particle astrophysics and one for synchrotron radiation (x-ray) science. This handbook speaks to graduate student opportunities related to the former.