CENTER FOR EXCELLENCE
CENTAUR
IN NUCLEAR TRAINING AND UNIVERSITY-BASED RESEARCH

EXPERIENCE THE ULTIMATE *NUCLEAR* & TRAINING DEVELOPMENT PARTNERSHIP *IN THE* NATION

NNSA
National Nuclear Security Administration

SURROUND YOURSELF WITH CUTTING EDGE

K500 Cyclotron
K150 Cyclotron
9 MV Tandem + 8 MV Linac
Radioactive and Stable Particle Beams
MARS Spectrometer
MDM Spectrometer
Super-Enge Split-Pole Spectrograph
TIARA Charged Particle Detector Array
BaF2 Large-Area Gamma Detector Array
Hyperion Gamma Detector Array
DAFNE Neutron Detector Array

EQUIPMENT & FACILITIES

JOIN OUR TEAM

CENTAUR@COMP.TAMU.EDU

CENTAUR.TAMU.EDU

FUNDING

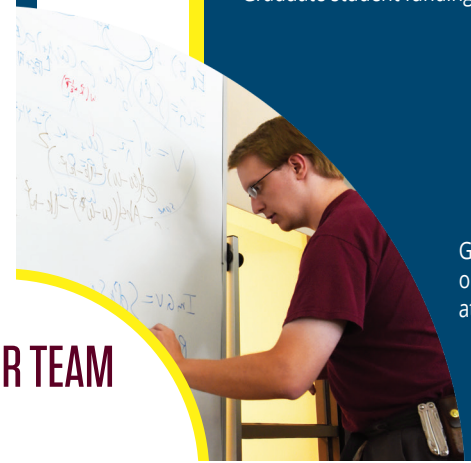
GET PAID

Graduate student funding is available at most CENTAUR universities:

- Texas A&M University
- Florida State University

Washington University
University of Washington
Louisiana State University
University of Notre Dame

> post-doc fellow support also available



Graduate students also have the opportunity to collaborate with scientists at these national labs:

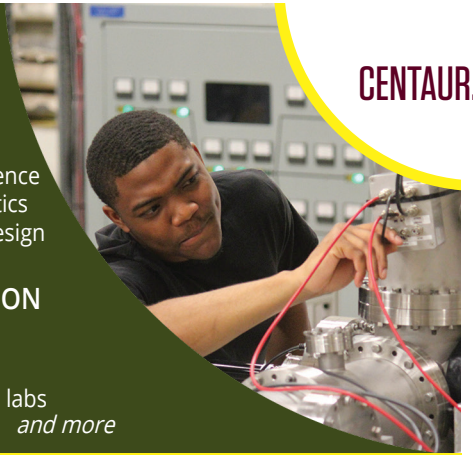
Lawrence Livermore National Laboratory
Los Alamos National Laboratory
Institute for Nuclear Theory

ENHANCE YOUR SKILLS

Detector Development & Testing
Precision Nuclear Measurement
Nuclear Theory & Modeling
Signal Processing
Electronic Design
Machine Learning
Computer Science
Applied Statistics
Mechanical Design

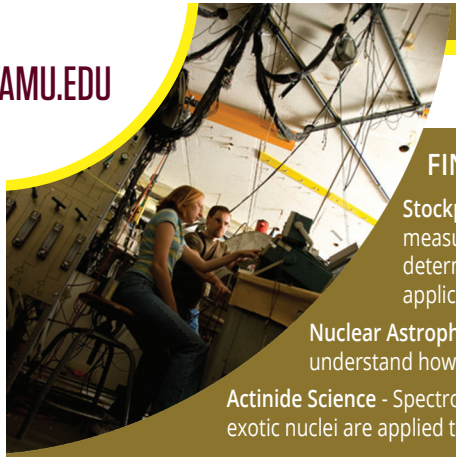
MAKE THE RIGHT CONNECTION

University partnerships
Networking opportunities
Industry connections with national labs
and more



CAREER BENEFITS

IMPACTFUL WORK



FIND YOUR NICHE

Stockpile Stewardship - Neutron capture measurements and surrogate reactions to determine fission cross-sections have direct applications to national security

Nuclear Astrophysics - Transfer reactions are used to understand how elements are created in the cosmos

Actinide Science - Spectroscopy, chemistry, fission dynamics and exotic nuclei are applied to basic and applied science

Advanced Detector Development - Next generation neutron and charged-particle detectors

Nuclear Dynamics & Thermodynamics - Elucidating equation of state through nuclear collisions sheds light on neutron star physics and nucleosynthesis