

# 2013

## Research Experience for Undergraduates at ODU/ Jefferson Lab Norfolk/ Newport News Virginia

### Deadline for Applications: *February 15, 2013*

Physics Department at Old Dominion University, Norfolk, Virginia, in association with Thomas Jefferson National Accelerator Facility, Newport News, welcomes applications for National Science Foundation funded summer research in Accelerator and Nuclear Physics. The ODU Physics Department has premier research programs in Nuclear and Accelerator Physics.

#### Duration and Support

This is a 10-week program beginning on May 28, 2013 and ending on August 2, 2013. The stipend is \$500 per week. Travel to and from Norfolk and housing at Jefferson Lab are provided along with a meal allowance.

#### Partial List of Research Areas

##### ACCELERATOR PHYSICS

- Compact Terahertz Radiation
- Non-linear Beam tracking in the CEBAF Accelerator
- Study of Beam-Beam effects in Electron Ion Collider
- Beam Dynamics in RF Cavities
- Compact electron Polarimetry
- RF Components for SRF accelerators

##### NUCLEAR PHYSICS

- Short Range Correlations
- Data Analysis
- Nuclear Structure

#### Eligibility

Prospective students must be U.S. citizens or permanent residents enrolled in a program which leads to a bachelor's degree. Women and under-represented groups are encouraged to apply. Students must have completed at least one year of college.

For additional information and how to apply follow REU link at:

[http://www.jlab.org/accel/student\\_outreach/reu/](http://www.jlab.org/accel/student_outreach/reu/)

or <http://sci.odu.edu/physics/>

