5th Annual Hampton/MIT Summer Program for Undergraduate Research with an Electron Ion Collider

JUNE 6 - AUGUST 5

An Electron Ion Collider with polarized beams has been embraced by the U.S. nuclear science community as embodying the vision for reaching the next frontier in understanding the fundamental quark-gluon structure of matter. It will allow us to look in detail into the sea of quarks and gluons deep inside atomic nuclei, to create and study dense systems of gluons, creating fields whose intensity may be the strongest allowed in nature, and to discover how energy transforms into matter.

The Massachusetts Institute of Technology (MIT) and Hampton University (HU) Physics groups are key players in the development of this Electron Ion Collider, and in particular co-lead the physics simulation and the detector research and design efforts. We offer Summer research opportunities for undergraduate students to participate in these studies, from June 6th to August 5th. Accepted students will work with HU and nearby Jefferson Lab faculty, with a visit to MIT in the last week. Select students will work with MIT faculty, and permanently reside at MIT. Students will receive a stipend, housing on HU (or MIT) campus, support for meals, and partial travel reimbursement upon completion of the program. First-year participants at HU will be encouraged to continue this program for a second summer period at MIT in 2012.

TO BE CONSIDERED FOR THE UnIPhy PROGRAM, APPLICANTS MUST:

- Have completed their freshman, sophomore, or junior years with a physics major
- Complete and submit an application package (to apps@uniphyreu.org)
- Provide two letters of recommendation
- Provide a transcript of all college courses
- Applicants must be US citizens or permanent residents

APPLICATION DEADLINE:

MARCH 1, 2011

Applications will be accepted until March 14

Questions? Email info@uniphyreu.org, or contact:
Ms. Jan Mangana, Associate Director for Education
Department of Physics
Hampton University
Hampton, VA 23668
(757) 727-6908 or (757) 727-5277

APPLICATION MATERIAL:

www.uniphyreu.org

Jefferson Lab