

**Photonuclear Reactions: From Quarks to Nuclei**  
**Holderness School, Holderness, NH**  
**August 10 - 15, 2014**

**ORGANIZING COMMITTEE:**

Chair:	Ronald Gilman	Rutgers, The State University of New Jersey
European Chair:	Lothar Tiator	Mainz
Co-Chair:	Alberto Accardi	Hampton University and Jefferson Lab

**SUPPORTED BY:**

Gordon Research Conferences, Rutgers University, (other support pending)

**DESCRIPTION:**

The Gordon Research Conference on Photonuclear Reactions: From Quarks to Nuclei is a forum for presentation and discussion of the most recent and exciting results in a wide range of subatomic physics. The 2014 Photonuclear GRC will be held from August 10 - 14 at the Holderness School, in Holderness, NH. The conference will be organized as usual in 9 Plenary Sessions and a Poster Session.

Topics for the meeting include:

- \* Nucleon electromagnetic distributions and polarizability
- \* Hadron spectroscopy and meson photoproduction
- \* Nucleon spin and quark structure
- \* Nuclear structure
- \* Nuclear astrophysics
- \* Nuclei and QCD
- \* Dark matter and dark photons
- \* Low-energy electroweak tests of beyond standard model physics
- \* Advances in theory
- \* Future facilities and directions

Since 1959, the Photonuclear GRC has been an arena for new ideas and provided ample and unique opportunities for young scientists and leading researchers to interact in the most scientifically stimulating environment.

**FORMAT AND SCHEDULE:**

Photonuclear Reactions has 3-hour morning and 2-hour after dinner plenary sessions, plus a poster session and a business meeting. Afternoons are free for participants to either take part in planned excursions or to engage in their own activities.

The Conference starts with dinner on Sunday, August 10, 2014 and ends with breakfast on Friday, August 15, 2014.

Presentations at the Gordon Research Conferences are all private, and may not be recorded or cited. There are no proceedings.

**KEY DATES:**

July 13, 2014

Registration Deadline

August 10 - 15, 2014

Conference in Holderness

**REGISTRATION AND CONFERENCE FEE:**

The Conference Registration fee has not yet been set. The Conference Fee for the 2012 Photonuclear Reactions Conference was \$860. The fee includes registration, room and board at the Holderness School from Sunday August 10 through Friday morning August 15; a reduced registration fee is possible for those staying off site. Gordon Research Conferences also runs buses between Boston Logan Airport and the Holderness School on Sunday August 10 and on Friday August 15.

**WEBSITE:**

Please see <http://www.grc.org/programs.aspx?year=2014&program=photonuc> for more information about the upcoming 2014 meeting. A preliminary list of Session Chairs and Speakers has been posted.

**FINANCIAL ASSISTANCE:**

As with recent meetings, we anticipate having resources that will allow us to reduce the cost of attendance for graduate students and other younger scientists. Please email the organizers if you need financial assistance.

**LOCATION:**

The Holderness School in Holderness, NH is a private boarding high school, located a short distance from the White Mountain National Forest and several New Hampshire State Parks. More information about the site can be found at: <http://www.grc.org/sites.aspx?id=2>