

Nuclear Structure 2016

Second Announcement

March 29, 2016

The Nuclear Structure 2016 (NS2016) conference will be hosted by Oak Ridge National Laboratory (ORNL), in downtown Knoxville from July 24th to the 29th, 2016. It will be immediately followed by the [Neutrinos in Nuclear Physics Workshop](#).

NS2016 will be the 16th in the series of biennial conferences hosted by North American national laboratories. The scientific program will be devoted to the latest research and development in experimental and theoretical nuclear structure physics, with emphasis on the properties of nuclei at the extremes of isospin, excitation energy, atomic number, mass, and angular momentum. The program will consist of plenary presentations from invited speakers and contributions selected from submitted abstracts.

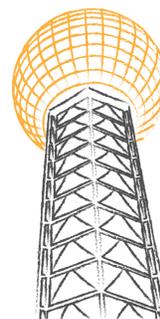
The main topics include:

- Nuclear physics with radioactive beams
- Nuclear spectroscopy far from stability
- Collective phenomena
- Reaction dynamics of light and heavy ions
- Single particle structure in transfer reactions
- Production and properties of the heaviest nuclei
- Ab-initio calculations, cluster models, and shell-model
- Nuclear energy density functionals
- Applications
- Results of gamma-ray tracking devices
- Mass measurements and traps
- Charge exchange reactions
- Decay spectroscopy
- Astrophysical aspects of nuclear studies
- Fundamental symmetries and interactions

Web Page

Updated information on NS2016 can be found on the conference web page: <http://ns2016.ornl.gov>

Important Dates



Some important dates coming up:

April 15	Abstracts Due (Extended)
June 3	End of Early Registration
June 23	Deadline for Accommodations at Conference Rates
July 24-29	Nuclear Structure Conference
July 29-31	Neutrinos in Nuclear Physics Workshop

Abstract Submission

Abstracts are due on Friday, April 15th by 17:00 EST. Please submit only the print-ready PDF file, following the template provided at <https://public.ornl.gov/conferences/ns2016/abstract/index.cfm>

Accommodations

A limited number of rooms at the [Hilton Knoxville Hotel](#) have been reserved at a special conference rate. Please make your own reservation at <http://www.hilton.com/en/hi/groups/personalized/K/KNXKHHF-NS2016-20160722/index.jhtml> before June 23rd, to ensure that you receive the special conference rate.

Program

The scientific program will run from Monday morning July 25th to Friday noon July 29th. All sessions will be held in the meeting rooms of the [Hilton Knoxville Hotel](#).

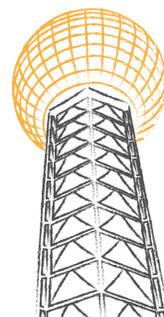
Welcome refreshments will be offered on the evening of Sunday, July 24th. The conference banquet will be held on Thursday.

Please note that the Neutrinos in Nuclear Physics Workshop will take place just after the NS2016 conference, from July 29th to the 31rd. Please visit the website <http://public.ornl.gov/conferences/ns2016/index.shtml> for further details.

Satellite Events

APS Ceremony – HRIBF historical site designation

As part of the APS historic sites initiative, on the morning of July 25th, a member of the APS presidential line will present a plaque to ORNL to commemorate the key role that the Holifield Radioactive Ion Beam Facility (HRIBF) played in pioneering experiments using accelerated beams of radioactive nuclei to probe nuclear structure and investigate nuclear reactions that govern astrophysical processes.



20th Anniversary of Gammasphere

To mark the twentieth anniversary of the dedication of Gammasphere, I-Yang Lee (2016 Tom W. Bonner Prize in Nuclear Physics) from Lawrence Berkeley National Laboratory, will give a presentation to highlight the many scientific accomplishments of the array.

Neutrinos in Nuclear Physics Workshop

This event will take place immediately after the NS2016 conference, from July 29th to July 31rd, 2016. <http://public.ornl.gov/conferences/ns2016/nw.shtml>

Prize for Best Student Presentation

The George Dracoulis Endowment was established in memory of Professor George Dracoulis to recognize his contributions to Nuclear Physics at the Australian National University and internationally. The endowment will provide a prize for a research student, or junior researcher, for an excellent presentation at the NS2016.

Visas

Participants need to ensure having the proper travel documents and visas to enter to the USA. To request a visa letter from the conference, please register for NS2016 and send an email to ns2016@ornl.gov letting us know your request.

We look forward to seeing you in July!

Alfredo Galindo-Uribarri
On behalf of the Organizing Committee

