

IUPAP Nuclear Science Symposium and IUPAP WG.9 Annual General Meeting at Southeastern Universities Research Association (SURA), Headquarters, 1201 New York Ave NW, Washington, DC, 20005, June 14-15, 2022

Please note the following

For all talks with 60 minutes allocation: 40 minutes are for presentations and 20 minutes for discussions

For all talks with 30 minutes allocation: 20 minutes are for presentations and 10 minutes for discussions

Draft Agenda:

Tuesday June 14 :

08:45 Introduction (by the Chair of IUPAP WG.9 Angela Bracco)

Chair: Robert E. Tribble

09:00 "Rare Isotope Experiments [recent experimental results of note]"
[Ritaparna Kanungo, Saint Mary's University]

10:00 "Neutrinos from the CNO Cycle" [Barbara Caccianiga, INFN-Milano, Universita di Milano]

11:00 "Status of Neutrino-less Double Beta-Decay Experiments" [Erica Caden, SNOLAB]

12:00 "Machine Learning and AI for Nuclear Science" (Tanja Horn, Jlab)

13:00 Lunch break

14:00 "The Structure of the Nucleon" [Silvia Niccolai, Institut de Physique Nucleaire, Orsay]-**via zoom**

15:00 "Cosmic Formation of the Elements" [Hendrik Schatz, Michigan State University]

16:00 "Targeted Alpha-Particle Therapies" [Jonathan D. Burns, University of Alabama at Birmingham]

17:00 "Colored and colorless correlations in hadrons" [Takashi Nakano, Osaka University]

19:00 Working Dinner

Wednesday, June 15 :

Chair: Angela Bracco

09:00 “Fundamental Symmetries from Table-Top Experiments to Collider Experiments” [Jordy de Vries, National Institute for Subatomic Physics]

10:00 “Initial Experiments with the Electron Ion Collider” [Renee Fatemi, University of Kentucky]

11:00 “Curious Results beyond the Standard Model and Dark Matter” [Jonathan L. Feng, University of California at Irvine] ([via-Zoom](#))

12:00 “Increasing Energy Needs and the Future of Nuclear Power in the Era of Climate Change” [Shannon Bragg-Sitton, Idaho National Laboratory]

11:00-13:00 meeting organized by Tim Hallmann with the funding agency representatives (one hour on EIC and

13:00 Lunch Break

14:00 IUPAP WG.9 Annual General Meeting at Southeastern Universities Research Association (SURA) Headquarters, 1201 New York Ave NW, Washington, DC, 20005.

The two meetings are scheduled as 'in-person' meetings. There will be however the possibility to connect via zoom for the participants who are not able to travel.

Per your request the title of your presentation could be changed; all presentations are scheduled for one hour including discussion.

On the Wednesday afternoon the speakers of the IUPAP Nuclear Science Symposium you could as observers attend the IUPAP Working Group 9 (WG.9) Annual General Meeting.

Annual General Meeting

Chair: Angela Bracco

Long Range planning Reports

14:00 ALAFNA [Alinka Lepine-Szily, Universidade de Sao Paulo]

14:30 ANPhA [Weiping Liu, China Atomic Energy Institute]

15:00 NSAC [Gail Dodge, Old Dominion University]

15:30 NuPECC [Marek Lewitowicz, GANIL]

16:00 iThemba LABS and South-African Isotope Facility, Faical Azaiez]

16:30 Subatomic Physics in Canada [Nigel Smith, TRIUMF]

17:00 Membership of IUPAP WG.9

Next dates of the IUPAP WG.9 AGM and IUPAP Nuclear Science Symposium

17:30 Adjourn

Please note that the participants should book the hotel by themselves.

Below there is a list of some hotels that are close to the meeting place. No arrangements were made for these meetings.

Hamilton Hotel Washington DC

1001 14th Street, NW Washington DC 20005

* 2 minute walk from McPherson Square Station, 3 minute walk from SURA HQ

Conrad Washington, DC

950 New York Ave NW, Washington, DC 20001

* 7 minute walk from the Metro Center Station, 5 minute walk from SURA HQ

Washington Plaza Hotel

10 Thomas Cir NW, Washington, DC 20005

* 7 minute walk from the McPherson Square Station, 10 minute walk from SURA HQ

Morrison-Clark Historic Inn & Restaurant

1011 L St NW, Washington, DC 20001

* 12 minute walk from the Metro Center Station, 7 minute walk from SURA HQ