



WANDA 2022

Workshop for Applied Nuclear Data Activities

Welcome to WANDA 2022!

WANDA 2022

Workshop for Applied Nuclear Data Activities

WANDA 2022 Team



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WANDA? 🤔

View from the 7th floor at the Elliott School of International Affairs at the George Washington University

Workshop for Applied Nuclear Data Activities

Sponsored by the Nuclear Data Interagency Working Group

- The annual workshop that serve as a forum for **nuclear data (ND) providers, users and evaluators**
- Learn about the **Program Missions**
- Provide **guidance to Program Sponsors** on cross-cutting ND needs

Meeting Goals

- Discuss **mission-driven nuclear data priorities**
- Determine where needs **overlap** with other mission spaces
- **Share ideas** on how to tackle them
- Ensure that **nuclear data are available to users**

The Main Goal of WANDA is to Bring You All Together

Nuclear Data
Producers -
Experiment/Theory

Nuclear Data
Users

Program Managers

Nuclear Data
Evaluations/
Processing

National Labs, Universities, Industries, National and International Collaborations



The Main Goal of WANDA is to Bring You All Together To Discuss Cross-Cutting ND Needs

**Program
Managers**

**Nuclear Data
Producers -
Experiment/Theory**

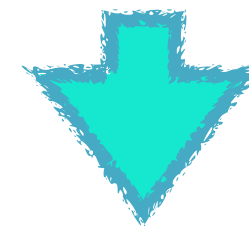
**Nuclear Data
Users**

**Nuclear Data
Evaluations/
Processing**

The WANDA approach is centered on topical breakout sessions led by subject matter experts

→ Present and Discuss Nuclear Data Needs

→ Prioritize these Needs



→ A Plan to Address the Needs

A final product is a written document

WANDA 2022 Agenda

Date/Time	Topic
Monday 02/28/2022 7:30AM(PST)-11:30AM(PST) 12:30PM(PST)-16:30PM(PST)	Plenary Session
Tuesday 03/01/2022 7:30AM(PST)-11:30AM(PST)	Reactions on Unstable Nuclei Chairs: J. Batchelder (UC Berkeley), J. Despotopulos (LLNL), H-Y. Lee (LANL), G. Severin (MSU/NSCL)
Tuesday 03/01/2022 12:30PM(PST)-16:30PM(PST)	Nuclear Data for High Energy Ion Interactions and Secondary Particle Production Chairs: K.LaBel (KBR Wyle/SSAI), M. Smith (ORNL), R. Vogt (LLNL)
Wednesday 03/02/2022 7:30AM(PST)-11:30AM(PST)	Neutrons as Secondary Particles and Their Interactions with Matter Chairs: L. Heilbronn (UT Knoxville), N. Hertel (ORNL), T. Slaba (NASA)
Wednesday 03/02/2022 12:30PM(PST)-16:30PM(PST)	Photon Reactions and Transport Chairs: B. Beck (LLNL), C. Howell (TUNL/Duke), T. Kawano (LANL), C. Miller (DHS)
Thursday 03/03/2022 7:30AM(PST)-11:30AM(PST)	Stopping Powers, Energy Deposition and Dose Chairs: L. Bernstein (LBNL/UC Berkeley), P. Griffin (SNL), M. Kruse (LLNL), T. Turflinger (Aero)
Thursday 03/03/2022 12:30PM(PST)-16:30PM(PST)	Nuclear Data adjustments and Impact on Applications Chairs: D. Neudecker (LANL), A. Lewis (NNL), R. Casperson (LLNL)
Friday 03/04/2022 7:30AM(PST)-10:30AM(PST) 11:30PM(PST)-14:00PM(PST)	Active Projects Overview, Session Summaries and Closing Remarks

We would like to thank you for your help in organization of this workshop:

Session Co-Chairs: J. Batchelder (UC Berkeley), J. Despotopulos (LLNL), H-Y. Lee (LANL), G. Severin (MSU/NSCL), K. LaBel (KBR Wyle/SSAI), M. Smith (ORNL), R. Vogt (LLNL), L. Heilbronn (UT Knoxville), N. Hertel (ORNL), T. Slaba (NASA), B. Beck (LLNL), C. Howell (TUNL/Duke), T. Kawano (LANL), C. Miller (DHS), L. Bernstein (LBNL/UC Berkeley), P. Griffin (SNL), M. Kruse (LLNL), T. Turflinger (Aero), D. Neudecker (LANL), A. Lewis (NNL) and R. Casperson (LLNL)

Session Note-Takers: C. Apgar (UC Berkeley), A. Marengo (LANL), P. Awedisean (UC Berkeley), T. Nagel (UC Berkeley), N. Burahmah (UT Knoxville), J. Gordon (UC Berkeley), R. Jacob (UC Berkeley), J. Silano (LLNL), A. Tonchev (LLNL), Ch. Lani (PSU), C. Soren (PSU), M. Kuatbek (PSU), K. Cook (RPI), A. Dreyfuss (LLNL) and D. Siefman (LLNL)

All the speakers in the plenary session as well as the topical sessions

Project Pls (Project Reports on Friday AM)

Nuclear Data Working Group (NDWG): Cathy Romano and members of the NDWG

Program Support: Tim Hallman

Special thanks to: Keith Jankowski

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Thank you All WANDA 2022 Attendees!

WANDA 2022 Logistics

→ Detailed meeting agenda can be found at the WANDA2022 Website

conferences.lbl.gov/event/880/

Workshop for Applied Nuclear Data Activities (WANDA 2022) [FINAL]

28 Feb 2022, 07:30 → 4 Mar 2022, 18:15 US/Pacific

Cisco WebEx (Virtually)

Bruce Pierson (Pacific Northwest National Laboratory), Karolina (Kay) Kolos (Lawrence Livermore National Laboratory)

Description: WANDA 2022 Educational Materials

Nuclear Data 101 Lecture Series:

- Nuclear Data for Space Exploration from a Nuclear Data Person's Perspective

Sessions:

→ Pre-recorded talk by Lee Bernstein, check it out!

→ We planned for **discussion time** after every talk, feel free to ask questions and share your ideas

→ Please use **Raise Your Hand** function or put your question **In the Chat** to “Everyone”

→ The same Webex link for everyday this week

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Have a great workshop! - WANDA 2022 Team

