Session Program

Nov 8 – 19, 2021

Nuclear Data Week(s) 2021 (CSEWG-USNDP-NDAG)

CSEWG

Online
Hosted by Brookhaven National Lab (Event ID: E000003921)

Mon, November 15

10:15 AM

CSEWG: Formats Committee - Format Tracker Issues and Proposals

Session

10:15 – 10:25 AM

Overloaded MAT numbers / misassigned MAT numbers for Al2O3 (#16)

Speaker
Dr Dave Brown

10:25 – 10:35 AM

MAT numbers for U(UO2) and O(UO2) do not agree with ENDF Manual (#7)

Speaker
Dr Dave Brown

10:35 – 10:45 AM

O in BeO in UO2: MAT numbers for thermal scattering (#1)

Speaker
Dr Dave Brown

10:45 AM

10:45 AM

CSEWG: Formats Committee - Processing Code Reports

Session

10:45 – 11:05 AM

NJOY - LANL

Speaker
Wim Haeck

11:05 – 11:25 AM

AMPX / SAMMY - ORNL

Speakers
Andrew Holcomb, Dorothea Wiarda

11:25 – 11:45 AM

FUDGE - LLNL

Speaker
Dr Bret Beck

11:45 AM

12:30 PM

CSEWG: Formats Committee - Format Issues for Discussion

Session | **Location:** Berkner, B

12:30 – 12:40 PM

Thermal Scattering Law

Speakers
Andrew Holcomb, Dorothea Wiarda

Location
Berkner, B

12:40 – 12:55 PM

Inconsistent use of the characteristic bound cross section for incoherent elastic scattering (#13)

Speaker
Jose Ignacio Marquez Damian

12:55 – 1:10 PM **Additional questions for discussion**

1:10 – 1:40 PM **Unresolved Resonance Region**

Speakers
Andrew Holcomb, Dorothea Wiarda

1:40 PM

1:45 PM

CSEWG: Formats Committee - Status Report

Session | **Location:** Berkner, B

1:45 – 2:00 PM **EG-GNDS Status Report**

Speaker
Dr Dave Brown

2:00 – 2:15 PM **ENDF-102 Status Report**

Speakers
Dorothea Wiarda, Michael Dunn

2:15 – 2:30 PM **TBD**

Speakers
Dorothea Wiarda, Michael Dunn

2:30 PM

2:45 PM

CSEWG: Covariance Committee - Adjustment

Session | **Location:** Berkner, B | **Convener:** Dr Denise Neudecker

2:45 – 2:50 PM **Updates from the covariance session committee**

Speaker
Dr Denise Neudecker

2:50 – 3:05 PM **WPEC/SG46 TAR exercise: preliminary results**

Speaker
Oscar Cabellos

3:05 – 3:20 PM **The benefit of adjusting with criticality and reaction rate data**

Speaker
Robert Casperson

3:20 – 3:35 PM

Getting sensitivities for various integral responses supporting nuclear data validation and adjustment

Speakers
Dr Denise Neudecker, jesson hutchinson

3:35 PM

3:45 PM

CSEWG: Covariance Committee - New eval.

Session | **Location:** Berkner, B | **Convener:** Dr Denise Neudecker

3:45 – 3:55 PM **Covariance update from INDEN**

Speaker
Roberto Capote

3:55 – 4:05 PM **Covariance update for light elements**

Speaker
Dr Mark Paris

4:05 – 4:15 PM **Covariance update for actinides in the RRR**

Speaker
Dr Marco Pigni

4:15 – 4:30 PM **Covariances for the Fission Product Yield Reevaluation**

Speaker
Amy Lovell

4:30 – 4:45 PM
Recent Work on Thermal Scattering Covariance Generation and Compression

Speaker
Aaron Tumulak

Location
Berkner, B

4:45 PM

4:55 PM

CSEWG: Covariance Committee

Session | **Location:** Berkner, B | **Convener:** Dr Denise Neudecker

4:55 – 5:10 PM **Covariances processing and testing**

Speaker
Nathan Gibson

5:10 – 5:20 PM **Neutron-Gamma Emission Correlations in 252Cf(sf)**

Speakers
Ramona Vogt, Ramona Vogt, Stefano Marin

5:20 – 5:35 PM **Bayesian Monte Carlo evaluation framework for imperfect data**

Speakers
Goran Arbanas, Jesse Brown

5:35 – 5:45 PM **An Uncertainty Quantification Toolkit for GNDS Formatted Libraries**

Speaker
Kyle Wendt

5:45 – 6:00 PM
Unifying the URR PT approaches and covariance work in a consistent framework

Speaker
Matteo Vorabbi

Location
Berkner, B

6:00 PM

Tue, November 16

10:00 AM

CSEWG: Measurements Committee

Session | **Location:** Berkner, B

10:00 – 10:10 AM **LANL progress on LENZ, SPIDER, and SREFT**

Speaker
Hye Young Lee

10:10 – 10:20 AM **LANL progress on ChiNu and Scattering**

Speaker
Keegan Kelly

10:20 – 10:35 AM **ORNL neutron induced cross section experiments on Zr90**

Speaker
Klaus Guber

10:35 – 10:50 AM **Overview of Nuclear Data measurement and analysis at RPI**

Speaker
Prof. Yaron Danon

10:50 – 11:00 AM
Gamma-ray spectroscopy of fission products for forensics: La-140 and I-130 beta decay

Speaker
Andrea Mattera

11:00 AM

11:10 AM

CSEWG: Measurements Committee

Session | **Location:** Berkner, B

11:10 – 11:25 AM **Recent Work related to Neutron Standards**

Speaker
Dr Allan Carlson

11:25 – 11:40 AM **Neutron and charged-particle cross section measurements**

Speaker
josh brown

11:40 – 11:55 AM
Differential cross section measurements of the 13C(a,n)16O reaction at the University of Notre Dame

Speaker
James deBoer

11:55 AM – 12:10 PM **The current status of the EXFOR project**

Speaker
Dr Boris Pritychenko

12:10 PM

1:10 PM

CSEWG: Validation Committee

Session | **Location:** Berkner, B

1:10 – 1:15 PM **Introduction**

Speaker
Dr Michael Zerkle

1:15 – 1:30 PM **ENDF Phase 1 Checking & Review Status**

Speaker
Dr Dave Brown

1:30 – 1:45 PM **ORNL Experience with the ENDF/B-VIII.0 Graphite TSL Evaluations**

Speaker
Friederike Bostelmann

1:45 – 2:00 PM **Validating the LANL versus INDEN 239Pu file in the fast range**

Speaker
Dr Denise Neudecker

2:00 – 2:15 PM
The impact of FENDL-3.2 on ITER and FNSF fusion reactor computational benchmarks

Speaker
Tim Bohm

2:15 – 2:30 PM **Validating Gamma-ray Data Produced in 14-MeV Neutron Interaction**

Speaker
Isabel Hernandez

2:30 PM

2:45 PM

CSEWG: Discussion on Outreach

Session | **Location:** Berkner, B

2:45 – 3:15 PM **Discussion on Outreach**

Speakers
Benjamin Shu, Elizabeth McCutchan

3:15 PM

Wed, November 17

10:00 AM

CSEWG: Evaluation Committee - TSL sublibrary

Session | **Location:** Berkner, B

10:00 – 10:12 AM **TNSL Implementation and Testing in FUDGE**

Speaker
Caleb Mattoon

10:12 – 10:24 AM
NJOY+NCrystal: Update of the Code and Thermal Scattering Library

Speaker
Jose Ignacio Marquez Damian

10:24 – 10:36 AM **Nuclear Graphite TSL Evaluation and Cross Section**

Speaker
Iyad Al-Qasir

10:36 – 10:48 AM **Code Verification Project for Generating ACE Libraries**

Speaker
Dr Andrej Trkov

10:48 – 11:00 AM
Thermal Neutron Scattering Evaluation for Polyethylene from RPI/ORNL/ESS

Speaker
Kemal Ramic

11:00 – 11:12 AM **Zirconium Hydride TSL Evaluation**

Speaker
Ingrid Švajger

11:12 – 11:24 AM **Calcium Hydride (CaH2) TSL Evaluations and Cross Sections**

Speakers
Benjamin Laramee, Benjamin Laramee

11:24 – 11:36 AM
Evaluation of TSL of the delta-phase yttrium hydride (YH2 to YH1.31)

Speaker
Vedant Mehta

11:36 – 11:48 AM **Zirconium Carbide TSL Evaluations**

Speaker
Jonathan Wormald

11:48 AM – 12:00 PM
Uranium Carbide and Uranium-Metal TSL Evaluations and Cross Sections

Speaker
Jonathan Crozier

12:00 PM

1:00 PM

CSEWG: Evaluation Committee - Fission Product Yields

Session | **Location:** Berkner, B

1:00 – 1:20 PM **Nuclear Data Activities on Fission Yields at LBNL**

Speaker
Eric Matthews

1:20 – 1:40 PM
Energy Dependent Fission Product Yields from Neutron- and Photon-Induced Fission

Speaker
Anton Tonchev

1:40 – 2:00 PM
Update on short-lived and cumulative fission product yields from the NPML Collaboration

Speaker
Jason Harke

2:00 – 2:10 PM **Break**

2:10 – 2:20 PM **FPY Data Compilations.**

Speaker
Dr Boris Pritychenko

2:20 – 2:40 PM **FPY Evaluation Work at LANL**

Speaker
Amy Lovell

2:40 – 3:00 PM **Angular Momentum Studies with FREYA**

Speaker
Ramona Vogt

3:00 – 3:20 PM **Fission yields interplay with beta-delayed neutrons and electrons**

Speaker
Dr Alejandro Sonzogni

3:20 PM

3:30 PM

CSEWG: Evaluation Committee - Charged Particles

Session | **Location:** Berkner, B

3:30 – 3:50 PM **Summary of the light-element CP induced evaluations for VIII.1**

Speaker
Dr Mark Paris

3:50 – 4:10 PM **TM on (alpha, n) nuclear data evaluation and data needs**

Speaker
Paraskevi Dimitriou

4:10 PM

Thu, November 18

10:00 AM

CSEWG: Evaluation Committee - Neutron sublibrary

Session | **Location:** Berkner, B

10:00 – 10:30 AM **Current status of ENDF**

Speaker
Dr Gustavo Nobre

10:30 – 11:00 AM

Solving the burnup conundrum: Updates in U-235 and U-238 evaluations in the RRR

Speakers
Dr Andrej Trkov, Dr Marco Pigni, Roberto Capote

11:00 – 11:10 AM **Break**

11:10 – 11:40 AM

INDEN evaluation of neutron induced reactions on Pu-239: status and updates

Speaker
Roberto Capote

11:40 AM – 12:10 PM **URR for 233,235U and 239Pu**

Speaker
Dr Marco Pigni

12:10 PM

12:55 PM

CSEWG: Evaluation Committee - Neutron sublibrary

Session | **Location:** Berkner, B

12:55 – 1:25 PM **239Pu evaluation updates**

Speakers
Dr Denise Neudecker, Matthew Mumpower

1:25 – 1:55 PM **239Pu evaluation**

Speaker
Gregory Potel Aguilar

1:55 – 2:25 PM **TN update plans and advances for 16O and 9Be**

Speaker
Dr Mark Paris

2:25 PM

2:40 PM

CSEWG: Evaluation Committee - Neutron sublibrary

Session | **Location:** Berkner, B

2:40 – 3:10 PM **59Ni**

Speaker
Sean Kuvin

3:10 – 3:40 PM **181Ta**

Speaker
Dr Mike Herman

3:40 – 4:10 PM **Updates to the n+63,65Cu Angular Distributions**

Speakers
Jordan McDonnell, Dr Marco Pigni

4:10 PM