Session Program

2–6 Nov 2026

Nuclear Data Week 2026

CSEWG

Building 101 (SUSC), Room 123

Wednesday 4 November

08:00

CSEWG: Covariance

Session | **Location:** Building 101 (SUSC), Room 123

08:00–08:15 **Welcome**

Speakers
David Brown, Gustavo Nobre, Dr John Hill

08:15–08:25 **Introducing the covariance session**

Speaker
Denise Neudecker

08:25–08:40 **Missing ENDF/B-VIII.1 covariances and application impacts**

Speaker
jesson hutchinson

08:40–08:55 **Systematic JEFF-4.0 covariances checking and testing**

Speaker
Mr Antonio Jiménez-Carrascosa

08:55–09:10 **Covariance for the VALID suite**

Speaker
Travis Greene

09:10–09:25
A Testing Harness for Comparing Nuclear Data Uncertainty Evaluations.

Speakers
Jacob Forbes, Vladimir Sobes

09:25–09:40 **Impact of FPY, decay, XS covariance on advanced rx’s**

Speakers
Friederike Bostelmann, Germina Procop

09:40–09:55 **SCALE ND 7.0 (incorporating E81 covariance and XS)**

Speaker
Jesse Brown

09:55–10:10 **Covariances in binocular neutron transmission**

Speaker
Thanos Stamatopoulos

10:10–10:30 **Break**

10:30–10:45 **Preliminary Light Water Covariance for ENDF/B-IX**

Speaker
Chris Chapman

10:45–11:00
ICSBEP Benchmark Covariance Determination for Improved Data Assimilation

Speaker
Eric Aboud

11:00–11:15 **Uncertainty Quantification Along Isotopic Chains**

Speakers
Amy Lovell, Ken Hanselman

11:15–11:30
Findings on 239Pu nuclear data from PARADIGM adjustment and experiments

Speaker
Denise Neudecker

11:30–11:45 **Investigation of Cu-63 for PARADIGM**

Speaker
Noah Walton

11:45–12:00
Assessment of the transmutation potential of radionuclides relevant to long-term safety

Speaker
Oscar Cabellos

12:00

13:00

CSEWG: Validation

Session | **Location:** Building 101 (SUSC), Room 123

13:00–13:05 **Welcome**

Speaker
Michael Zerkle

13:05–13:35 **LANL Nuclear Data Validation and Benchmark Modeling Questions**

Speaker
Noah Kleedtke

13:35–13:45 **Validation with LLNL pulsed spehres**

Speaker
Denise Neudecker

13:45–14:05 **NNL Analysis of the ENDF/B-VIII.1 H(H2O) evaluation**

Speaker
Jason Thompson

14:05–14:15 **Shielding validation of ENDF/B-VIII.1**

Speaker
Sukhjinder Singh

14:15–14:30 **Validating ENDF/B-VIII.1 TSL Data**

Speaker
Chris Chapman

14:30–14:40
Testing results for the first beta version of the next ENDF library in GNDS format

Speaker
Marie-Anne Descalle

14:40–14:55
Updates on Nuclear Data Validation at LLNL in the COG benchmark suite

Speaker
Joanna Morgan

14:55–15:10
Narrowing the Potential Nuclear Data issues Surrounding Chlorine with the TEX-Chlorine Critical Integral Experiment

Speaker
Eric Aboud

15:10–15:20 **Break**

15:20–15:30
Thermal Neutron Scattering Law Testing for Paraffinic Oils and Propylene Glycol Using Pulsed Neutron Die-Away Experiments (PNDA)

Speaker
Ruby Araj

15:30–15:45
Validation measurements of Polyethylene, Room Temp Water, and Low Temperature Water TSLs using Pulsed-Neutron Die Away at RPI

Speaker
Benjamin Wang

15:45–16:00 **Modernized Reevaluation of the HTR-PROTEUS Criticality Benchmarks**

Speaker
Dr John Bess

16:00–16:20 **Activation library for ENDF/B-VIII.1**

Speaker
Andre Sieverding

16:20–16:40 **Update on New ICSBEP Evaluations**

Speaker
Catherine Percher

16:40–17:00 **SPARC: A New Large-Scale Critical Experiments Capability**

Speaker
Nick Woolstenhulme

17:00

Thursday 5 November

08:00

CSEWG: Measurements

Session | **Location:** Building 101 (SUSC), Room 123

08:00–08:20 **CoGNAC scattering data and U-233 PFNS updates**

Speaker
Keegan Kelly

08:20–08:40 **Cl-35(n,p) at Lujan result updates**

Speaker
Ken Hanselman

08:40–09:00 **DICER measurement updates**

Speaker
Thanos Stamatopoulos

09:00–09:15 **Progress on Zr experiments at GELINA**

Speaker
Klaus Guber

09:15–09:35 **Measurements Performed by Naval Nuclear Laboratory in 2026**

Speaker
Adam Daskalakis

09:35–09:55 **Coffee break**

09:55–10:15 **neutron-induced gamma-ray production cross sections at 14 MeV**

Speaker
Juan Luque Gutierrez

10:15–10:35 **Update on RPI measurements activity**

Speaker
Yaron Danon

10:35–10:55 **TSL measurements at SNS**

Speaker
Kemal Ramic

10:55–11:10 **Recent measurements surrounding thermal neutron capture cross sections and prompt gamma rays of Zr-88, Xe-124, Xe-126, Xe-128, Xe-130, Xe-134, Xe-135, and Xe-135m**

Speaker
Will Flanagan

11:10–11:25 **gamma measurements at the UMass Lowell reactor**

Speaker
Shuya Ota

11:25–11:45 **Recent Work related to the Neutron Data Standards**

Speaker
Allan Carlson

11:45–12:00 **Status of the EXFOR project**

Speaker
Boris Pritychenko

12:00

13:00

CSEWG: Evaluation I

Session | **Location:** Building 101 (SUSC), Room 123

13:00–13:05 **Introduction**

Speaker
Roberto Capote

13:05–13:25 **New IAEA neutron standards: Thermal Neutron Constants**

Speaker
Georg Schnabel

13:25–13:45 **R-matrix new standard evaluations**

Speaker
Hirokazu Sasaki

13:45–14:05 **New IAEA neutron standards: From thermal up to 200 MeV**

Speaker
Allan Carlson

14:05–14:25 **Overview of FY26 ORNL evaluations (RR)**

Speaker
Dr Marco Pigni

14:25–14:45 **New Zr evaluation (RR, fast)**

Speaker
Greg Siemers

14:45–15:05 **New INDEN evaluations: Pu-239,U-235,U-238,structural materials**

Speaker
Roberto Capote

15:05–15:20 **Coffee break**

15:20–15:35 **Fluorine evaluation in the RR**

Speaker
Luiz Leal

15:35–15:50 **Nitrogen evaluation**

Speaker
Jordan McDonnell

15:50–16:05

Three Insights in Resonance Evaluation Best Practices based on a Systematic Analysis

Speaker
Justin Loring

16:05–16:17 **LLNL Pu-239 and Pu-242 evaluations in the fast range**

Speaker
Andre Sieverding

16:17–16:32 **Pu-240 evaluation in the fast range**

Speaker
Amy Lovell

16:32–16:44 **Pu & U nubar and PFNS updates**

Speaker
Denise Neudecker

16:44–17:04 **High Energy Fission with Charged Particles**

Speaker
Ramona Vogt

17:04–17:24 **Pre-equilibrium Effects in Proton-induced Reactions on 139La**

Speaker
Emanuel Chimanski

17:30

Friday 6 November

08:00

CSEWG: Evaluation II

Session | **Location:** Building 101 (SUSC), Room 123

08:00–08:05 **Executive Committee Debrief**

Speaker
David Brown

08:05–08:17 **LLNL photonuclear evaluations**

Speaker
Konstantinos Kravvaris

08:17–08:37 **Unified R-matrix evaluation of the 7Be System**

Speaker
James deBoer

08:37–08:57
(a,n) project updates on measurements, data evaluation, and future plan

Speaker
Som Nath Paneru

08:57–09:07 **New thick target yield measurements for testing (a,n) data**

Speaker
Hye Young Lee

09:07–09:27
Measurements of Be(α, n)-driven Be(n, 2n) reactions to improve Pu Material Accounting for Be Fuel forms

Speaker
Dr Marco Pigni

09:27–09:37 **Data Compilation and Connection to the Adopted Decay Project**

Speaker
Andrea Mattera

09:37–09:52 **Recent Work on FPY Evaluations**

Speaker
Amy Lovell

09:52–10:07 **Impact of FPY Covariances**

Speaker
Amanda Lewis

10:07–10:30 **Coffee Break**

10:30–10:45 **Impact of Spin Distribution on Fission Observables**

Speaker
Nicolas Schunck

10:45–11:00 **Overview of the IAEA CRP on FPYs**

Speaker
Ramona Vogt

11:00–11:10
Update on Thermal Scattering Evaluations for Moderator and Fuel Materials

Speaker
Nina Fleming

11:10–11:20
IRMA: A Generalized, Open-Source Framework for Thermal Neutron Scattering Law Evaluation and Validation

Speaker
Kemal Ramic

11:20–11:30
DNCSH sponsored temperature dependent TSL evaluations of advanced reactor moderators

Speaker
Kemal Ramic

11:30–11:40 **U-xMo Fuel TSL Evaluation**

Speaker
Briana Laramee

12:00

13:00

CSEWG: Evaluation III

Session | **Location:** Building 101 (SUSC), Room 123

13:00–13:10
Temperature Dependent Evaluations of Crystalline Graphite and Beryllium Metal

Speaker
Pavel Simeonov

13:10–13:20 **Agentic AI for Interatomic Potential Development for TSL Evaluation**

Speaker
Pavel Simeonov

13:20–13:30 **High-Temperature Graphite TSL Evaluation**

Speaker
Iyad Al-Qasir

13:30–13:40 **Update to the ENDF/B-VIII.1 liquid hydrogen and deuterium libraries**

Speaker
Douglas Di Julio

13:40–13:50 **Advancing TSL Generation Methods for ENDF/B-IX**

Speaker
Jonathan Wormald

13:50

13:50

CSEWG: Formats & Processing

Session | **Location:** Building 101 (SUSC), Room 123

13:50–14:05 **AMPX**

Speaker
Jordan McDonnell

14:05–14:20 **NJOY**

Speaker
Wim Haeck

14:20–14:35 **NJOY’s resonance reconstruction**

Speaker
Pierre Sole

14:35–14:50 **Fudge**

Speaker
Caleb Mattoon

14:50–15:05 **NDEX: 2026 Update**

Speaker
Jason Thompson

15:05–15:20 **Break**

15:20–15:35 **SAMMY**

Speaker
Dorothea Wiarda

15:35–15:50 **Nuclear Reaction Code: Phoenix**

Speaker
Dr Marco Pigni

15:50–16:05

Numerical computation of temperature-dependent Legendre moments in neutron elastic scattering

Speaker
Vincent Cheung

16:05–16:15

Ambiguous TSL Formats Questions & Progress Towards MF37 Proposal

Speaker
Chris Chapman

16:15–16:25 **Covariance data for fission product yields**

Speaker
Wim Haeck

16:25–16:35 **ENDF Manual Changes**

Speaker
David Brown

16:35–16:45 **GNDS Updates**

Speaker
Caleb Mattoon

17:00