

Nuclear Data Week 2024 (CSEWG-NDAG)

Report of Contributions

Contribution ID: 1

Type: **not specified**

CSEWG Executive Committee Meeting

Contribution ID: 2

Type: **not specified**

Measurements

Presenter: DANON, Yaron (Rensselaer Polytechnic Institute)

Contribution ID: 3

Type: **not specified**

NJOY

Wednesday, 6 November 2024 08:00 (20 minutes)

Presenter: HAECK, Wim (LANL)

Session Classification: Formats and Processing

Contribution ID: 4

Type: **not specified**

AMPX

Wednesday, 6 November 2024 08:20 (20 minutes)

Presenter: MCDONNELL, Jordan (UT-Battelle)

Session Classification: Formats and Processing

Contribution ID: 5

Type: **not specified**

FUDGE

Wednesday, 6 November 2024 08:40 (20 minutes)

Presenter: MATTOON, Caleb (Lawrence Livermore National Lab)

Session Classification: Formats and Processing

Contribution ID: 6

Type: **not specified**

NDEX

Wednesday, 6 November 2024 09:00 (20 minutes)

Presenter: THOMPSON, Jason (NNL-KAPL)

Session Classification: Formats and Processing

Contribution ID: 7

Type: **not specified**

ADVANCE

Wednesday, 6 November 2024 09:20 (20 minutes)

Presenter: REBECCA, Coles (BNL)

Session Classification: Formats and Processing

Contribution ID: **8**

Type: **not specified**

SAMMY

Wednesday, 6 November 2024 09:40 (20 minutes)

Presenter: WIARDA, Dorothea (ORNL)

Session Classification: Formats and Processing

Contribution ID: 9

Type: **not specified**

Decay Data and Processing in GNDS

Wednesday, 6 November 2024 10:20 (20 minutes)

Presenter: CHEUNG, Vincent (Lawrence Livermore National Laboratory)

Session Classification: Formats and Processing

Contribution ID: **10**

Type: **not specified**

GNDS Status

Wednesday, 6 November 2024 10:40 (20 minutes)

Presenter: MATTOON, Caleb (Lawrence Livermore National Lab)

Session Classification: Formats and Processing

Contribution ID: 11

Type: **not specified**

MT=900-999 proposal

Wednesday, 6 November 2024 11:00 (15 minutes)

Presenter: BROWN, David (NNDC-BNL)

Session Classification: Formats and Processing

Contribution ID: 12

Type: **not specified**

Covariance for TSL

Wednesday, 6 November 2024 11:15 (15 minutes)

Presenter: CHAPMAN, Chris (Oak Ridge National Laboratory)

Session Classification: Formats and Processing

Contribution ID: 13

Type: **not specified**

GNDS Discussion

Wednesday, 6 November 2024 11:30 (30 minutes)

Presenters: WIARDA, Dorothea (ORNL); GIBSON, Nathan (Los Alamos National Laboratory)

Session Classification: Formats and Processing

Contribution ID: 14

Type: **not specified**

Perspectives on the next ENDF

Thursday, 7 November 2024 08:00 (20 minutes)

Presenter: CHADWICK, Mark (Lanl)

Session Classification: Evaluation

Contribution ID: 15

Type: **not specified**

Welcome

Tuesday, 5 November 2024 08:00 (5 minutes)

Presenters: BROWN, David (NNDC-BNL); Dr SCHOONEN, Martin (BNL)

Contribution ID: **16**

Type: **not specified**

CSEWG 101

Tuesday, 5 November 2024 08:05 (10 minutes)

Presenter: BROWN, David (NNDC-BNL)

Contribution ID: 17

Type: **not specified**

INDEN plans covering on-going work on Pu-239 and U-233, planned work on iron (Fe-56,Fe-54), chromium, nickel, F-19

Thursday, 7 November 2024 08:20 (30 minutes)

Presenter: CAPOTE, Roberto (IAEA NDS)

Session Classification: Evaluation

Contribution ID: **18**

Type: **not specified**

R-matrix analysis of n+natCl reactions

Thursday, 7 November 2024 08:50 (30 minutes)

Presenter: Dr PIGNI, Marco (ORNL)

Session Classification: Evaluation

Contribution ID: 19

Type: **not specified**

12C+n evaluation work extending to 16MeV neutron

Thursday, 7 November 2024 09:20 (20 minutes)

Presenter: SASAKI, Hirokazu (LosAlamos National Laboratory)

Session Classification: Evaluation

Contribution ID: 20

Type: **not specified**

Fission products off stability

Thursday, 7 November 2024 14:20 (20 minutes)

Presenter: NOBRE, Gustavo (BNL)

Session Classification: Evaluation

Contribution ID: 21

Type: **not specified**

n+Pu239 cross sections in the fast region

Thursday, 7 November 2024 15:00 (20 minutes)

Presenter: SIEVERDING, Andre (LLNL)

Session Classification: Evaluation

Contribution ID: 22

Type: **not specified**

Evaluation work for 139La

Thursday, 7 November 2024 15:40 (20 minutes)

Presenter: STETCU, Ionel (Los Alamos National Lab)

Session Classification: Evaluation

Contribution ID: 23

Type: **not specified**

Framework for simultaneously evaluating both thermal scattering & resolved resonance parameters

Thursday, 7 November 2024 10:40 (20 minutes)

Presenter: CHAPMAN, Chris (Oak Ridge National Laboratory)

Session Classification: Evaluation

Contribution ID: 24

Type: **not specified**

R-matrix analysis of 8Be system

Thursday, 7 November 2024 09:40 (20 minutes)

Presenter: PANERU, Som (LANL)

Session Classification: Evaluation

Contribution ID: 25

Type: **not specified**

Aluminium TSL evaluation at high temperatures, as well as the planned work on graphite.

Thursday, 7 November 2024 11:40 (20 minutes)

Presenter: IYAD, Al-Qasir (ORNL)

Session Classification: Evaluation

Contribution ID: 26

Type: **not specified**

Progress on the Implementation of NeTS for Multiphysics Reactor Analysis

Thursday, 7 November 2024 11:00 (20 minutes)

Presenter: CROZIER, Jonathan (NCSU)

Session Classification: Evaluation

Contribution ID: 27

Type: **not specified**

Towards the Development of High-Fidelity TSL Evaluations

Thursday, 7 November 2024 11:20 (20 minutes)

Presenter: GIL, Junhyoung (NCSU)

Session Classification: Evaluation

Contribution ID: 28

Type: **not specified**

BNL FPY evaluation

Thursday, 7 November 2024 13:40 (20 minutes)

Presenter: MATTERA, Andrea (BNL)

Session Classification: Evaluation

Contribution ID: 29

Type: **not specified**

LLNL FPY measurements

Thursday, 7 November 2024 13:00 (20 minutes)

Presenter: RAMIREZ, Anthony

Session Classification: Evaluation

Contribution ID: **30**

Type: **not specified**

LLNL FPY modeling and evaluation

Thursday, 7 November 2024 13:20 (20 minutes)

Presenter: SCHUNCK, Nicolas (Lawrence Livermore National Laboratory)

Session Classification: Evaluation

Contribution ID: **31**

Type: **not specified**

LANL FPY evaluation

Thursday, 7 November 2024 14:00 (20 minutes)

Presenters: LOVELL, Amy (Los Alamos National Laboratory); KAWANO, Toshihiko (Los Alamos National Laboratory)

Session Classification: Evaluation

Contribution ID: 32

Type: **not specified**

Semi-microscopic (JLM-B) approach to neutron-nucleus scattering

Thursday, 7 November 2024 16:00 (15 minutes)

Presenter: AAINA, T (LLNL)

Session Classification: Evaluation

Contribution ID: **33**

Type: **not specified**

Welcome

Tuesday, 5 November 2024 08:30 (5 minutes)

Presenters: ZERKLE, Michael (Bettis Atomic Power Laboratory); Dr ZERKLE, Michael (Naval Nuclear Laboratory)

Session Classification: Validation

Contribution ID: 34

Type: **not specified**

LANL Validation Testing using ENDF/B-VIII.1

Tuesday, 5 November 2024 08:35 (20 minutes)

Presenters: NEUDECKER, Denise (Los Alamos National Laboratory, Theoretical Division); GIBSON, Nathan (Los Alamos National Laboratory); HAECK, Wim (LANL)

Session Classification: Validation

Contribution ID: 35

Type: **not specified**

Testing ENDF/B-VIII.1 at AWE

Tuesday, 5 November 2024 08:55 (15 minutes)

Presenter: CORNOCK, Mark (AWE.Plc)

Session Classification: Validation

Contribution ID: 36

Type: **not specified**

Benchmarking of ENDF/B-VIII.1 for Reactor Dosimetry and Ex-core Neutron Transport Applications

Tuesday, 5 November 2024 09:10 (20 minutes)

Presenter: FISCHER, Greg (Westinghouse)

Session Classification: Validation

Contribution ID: 37

Type: **not specified**

Update on the validation of ENDF/B-VIII.1 in GNDS format

Tuesday, 5 November 2024 09:30 (10 minutes)

Presenter: DESCALLE, Marie-Anne (LLNL)

Session Classification: Validation

Contribution ID: 38

Type: **not specified**

Tables of Neutron Thermal Cross Sections, Westcott Factors, Resonance Integrals, Maxwellian Averaged Cross Sections, Astrophysical Reaction Rates, and r-process Abundances Calculated from the ENDF/B-VIII.1, JEFF-3.3, JENDL-5.0, BROND-3.1, and CENDL-3.2 Evaluated Data Libraries

Tuesday, 5 November 2024 09:40 (20 minutes)

Presenter: PRITYCHENKO, Boris (NNDC, BNL)

Session Classification: Validation

Contribution ID: 39

Type: **not specified**

Testing of ENDF TSL Libraries Using Advanced Reactor and Criticality Benchmarks

Tuesday, 5 November 2024 10:00 (20 minutes)

Presenter: FLEMING, Nina (North Carolina State University)

Session Classification: Validation

Contribution ID: 40

Type: **not specified**

IRPhE and ICSBEP validation of ENDF/B-VIII.1 graphite TSLs

Tuesday, 5 November 2024 10:20 (20 minutes)

Presenter: Dr RAMIC, Kemal (Oak Ridge National Lab)

Session Classification: Validation

Contribution ID: 41

Type: **not specified**

TEX-Hf benchmark

Tuesday, 5 November 2024 10:50 (20 minutes)

Presenter: NORRIS, Jesse (Lawrence Livermore National Laboratory)

Session Classification: Validation

Contribution ID: 42

Type: **not specified**

NNL Validation Testing using ENDF/B-VIII.1

Tuesday, 5 November 2024 11:10 (20 minutes)

Presenter: COTCHEN, Linden (NNL)

Session Classification: Validation

Contribution ID: 43

Type: **not specified**

Pulse Neutron Die-Away Experiments (PNDA) for Nuclear Data Validation

Tuesday, 5 November 2024 11:30 (20 minutes)

Presenter: ARAJ, Ruby (LLNL)

Session Classification: Validation

Contribution ID: 44

Type: **not specified**

RPI Quasi-differential Scattering Measurements on Ta, Teflon and Cu

Tuesday, 5 November 2024 11:50 (20 minutes)

Presenter: SIEMERS, Greg (Rensselaer Polytechnic Institute)

Session Classification: Validation

Contribution ID: 45

Type: **not specified**

New Benchmarks in the 2023 and 2024 Editions of the ICSBEP Handbook

Tuesday, 5 November 2024 12:10 (20 minutes)

Presenter: PERCHER, Catherine (Lawrence Livermore National Laboratory)

Session Classification: Validation

Contribution ID: 46

Type: **not specified**

Unique Questions and Answers Revealed in Automated Resonance Fitting and Demonstrated on Ta-181

Thursday, 7 November 2024 10:20 (20 minutes)

Presenter: SOBES, Vladimir (University of Tennessee)

Session Classification: Evaluation

Contribution ID: 47

Type: **not specified**

ENDF/B-VIII.1 covariance testing

Wednesday, 6 November 2024 13:00 (20 minutes)

Presenter: CABELLOS, Oscar (UPM)

Session Classification: Covariances

Contribution ID: 48

Type: **not specified**

USU and Covariance

Wednesday, 6 November 2024 13:20 (20 minutes)

Presenter: SCHNABEL, Georg (IAEA)

Session Classification: Covariances

Contribution ID: 49

Type: **not specified**

Standards

Wednesday, 6 November 2024 13:40 (25 minutes)

Presenter: CARLSON, Allan (NIST)

Session Classification: Covariances

Contribution ID: 50

Type: **not specified**

Reevaluating the $^{252}\text{Cf}(\text{sf})$ PFNS and associated covariances

Wednesday, 6 November 2024 14:05 (20 minutes)

Presenter: NEUDECKER, Denise (Los Alamos National Laboratory, Theoretical Division)

Session Classification: Covariances

Contribution ID: 51

Type: **not specified**

Ta-181 URR Covariance

Wednesday, 6 November 2024 14:25 (20 minutes)

Presenter: BROWN, Jesse (ORNL)

Session Classification: Covariances

Contribution ID: 52

Type: **not specified**

Verifiable Covariance Estimation in the RRR

Wednesday, 6 November 2024 15:10 (20 minutes)

Presenters: FORBES, Jacob (University of Tennessee); SOBES, Vladimir (University of Tennessee)

Session Classification: Covariances

Contribution ID: 53

Type: **not specified**

RRR Covariance Testing Discussion

Wednesday, 6 November 2024 15:30 (10 minutes)

Presenter: NEUDECKER, Denise (Los Alamos National Laboratory, Theoretical Division)

Session Classification: Covariances

Contribution ID: 54

Type: **not specified**

TSL Covariance

Wednesday, 6 November 2024 15:40 (20 minutes)

Presenter: CHAPMAN, Chris (Oak Ridge National Laboratory)

Session Classification: Covariances

Contribution ID: 55

Type: **not specified**

Self-Consistent Atomic Thermal Disorder for Perturbing Phonon Density of States and Thermal Scattering Law

Wednesday, 6 November 2024 16:00 (20 minutes)

Presenters: CHAPMAN, Chris (Oak Ridge National Laboratory); AL-QASIR, Iyad (Oak Ridge National Laboratory)

Session Classification: Covariances

Contribution ID: 56

Type: **not specified**

Cu Covariance

Wednesday, 6 November 2024 16:20 (20 minutes)

Presenter: HUTCHINSON, jesson (LANL)

Session Classification: Covariances

Contribution ID: 57

Type: **not specified**

Adjusting VIII.0 mean values and covariances with different integral responses

Wednesday, 6 November 2024 16:40 (20 minutes)

Presenter: NEUDECKER, Denise (Los Alamos National Laboratory, Theoretical Division)

Session Classification: Covariances

Contribution ID: 58

Type: **not specified**

The development of megaSPIDER instrument for measurements of independent fission product yields

Tuesday, 5 November 2024 13:30 (15 minutes)

Presenter: GASTIS, Panagiotis (Los Alamos National Laboratory)

Session Classification: Measurements

Contribution ID: 59

Type: **not specified**

Zr-88+n: the kick-off to study small radioactive samples with DICER at LANSCE

Tuesday, 5 November 2024 13:45 (15 minutes)

Presenter: STAMATOPOULOS, Thanos (Los Alamos National Laboratory)

Session Classification: Measurements

Contribution ID: 60

Type: **not specified**

Chlorine at Lujan: Extending the LANSCE Measurements Down to Thermal

Tuesday, 5 November 2024 14:00 (15 minutes)

Presenter: HANSELMAN, Kenneth (LANL)

Session Classification: Measurements

Contribution ID: **61**

Type: **not specified**

CoGNAC Neutron Scattering Project at LANL

Tuesday, 5 November 2024 14:15 (15 minutes)

Presenter: KELLY, Keegan (Los Alamos National Laboratory)

Session Classification: Measurements

Contribution ID: 62

Type: **not specified**

Updates for LENZ on radioactive isotope studies and SREFT

Tuesday, 5 November 2024 14:30 (15 minutes)

Presenter: KUVIN, Sean

Session Classification: Measurements

Contribution ID: 63

Type: **not specified**

Remeasurement of the $^{239}\text{Pu}(n,f)/^{235}\text{U}(n,f)$ cross section ratio with the fissionTPC

Tuesday, 5 November 2024 14:45 (15 minutes)

Presenter: SNYDER, Lucas (LLNL)

Session Classification: Measurements

Contribution ID: **64**

Type: **not specified**

Direct and Indirect Measurements at LLNL

Tuesday, 5 November 2024 15:00 (15 minutes)

Presenter: RATKIEWICZ, Andrew (Lawrence Livermore National Laboratory)

Session Classification: Measurements

Contribution ID: 65

Type: **not specified**

Zr-91 Measurements at GELINA

Tuesday, 5 November 2024 15:30 (15 minutes)

Presenter: BROWN, Jesse (ORNL)

Session Classification: Measurements

Contribution ID: 66

Type: **not specified**

Thermal total cross section measurements of different grades of nuclear graphite

Tuesday, 5 November 2024 15:45 (15 minutes)

Presenter: Dr RAMIC, Kemal (Oak Ridge National Lab)

Session Classification: Measurements

Contribution ID: 67

Type: **not specified**

Nuclear Data measurements at RPI

Tuesday, 5 November 2024 16:00 (20 minutes)

Presenter: DANON, Yaron (Rensselaer Polytechnic Institute)

Session Classification: Measurements

Contribution ID: 68

Type: **not specified**

Recent experimental work on (n,n'gamma) using GENESIS at LBNL

Tuesday, 5 November 2024 16:20 (20 minutes)

Presenters: BERNSTEIN, Lee (Staff@lbl.gov;Member@lbl.gov;Other@lbl.gov); Prof. BERNSTEIN, Lee (LBNL/UCB)

Session Classification: Measurements

Contribution ID: **69**

Type: **not specified**

The present status of the EXFOR project

Tuesday, 5 November 2024 16:40 (20 minutes)

Presenter: PRITYCHENKO, Boris (NNDC, BNL)

Session Classification: Measurements

Contribution ID: 70

Type: **not specified**

Capture gamma-ray production cross section measurements in thermal neutron capture on Mn, Cu and Ni at UMass Lowell Research Reactor

Tuesday, 5 November 2024 17:00 (20 minutes)

Presenter: JANDEL, Marian (University of Massachusetts, Lowell, MA)

Session Classification: Measurements

Contribution ID: 71

Type: **not specified**

Measurements of Reaction rates at NSLS-II

Tuesday, 5 November 2024 17:20 (15 minutes)

Presenter: MATTERA, Andrea (BNL)

Session Classification: Measurements

Contribution ID: 72

Type: **not specified**

Resolved resonance region evaluation of ^{139}La and ^{14}N

Thursday, 7 November 2024 15:20 (20 minutes)

Presenter: MCDONNELL, Jordan (UT-Battelle)

Session Classification: Evaluation

Contribution ID: 73

Type: **not specified**

Welcome

Monday, 4 November 2024 08:00 (5 minutes)

Presenters: Dr ZERKLE, Michael (Naval Nuclear Laboratory); ZERKLE, Michael (Bettis Atomic Power Laboratory)

Session Classification: NDAG

Contribution ID: 74

Type: **not specified**

Review and Adoption of the Agenda

Monday, 4 November 2024 08:05 (5 minutes)

Presenters: ZERKLE, Michael (Bettis Atomic Power Laboratory); Dr ZERKLE, Michael (Naval Nuclear Laboratory)

Session Classification: NDAG

Contribution ID: 75

Type: **not specified**

TEX-Hf Benchmark

Monday, 4 November 2024 08:10 (20 minutes)

Presenters: PERCHER, Catherine (Lawrence Livermore National Laboratory); NORRIS, Jesse (Lawrence Livermore National Laboratory)

Session Classification: NDAG

Contribution ID: 76

Type: **not specified**

NNL Data Testing Results using TEX-Hf

Monday, 4 November 2024 08:30 (20 minutes)

Presenter: Dr TRUMBULL, Timothy (Naval Nuclear Laboratory)

Session Classification: NDAG

Contribution ID: 77

Type: **not specified**

ORNL Data Testing Results using TEX-Hf

Monday, 4 November 2024 08:50 (20 minutes)

Presenter: LEAL, Luiz (ORNL)

Session Classification: NDAG

Contribution ID: 78

Type: **not specified**

Discussion of path forward for Hf

Monday, 4 November 2024 09:10 (20 minutes)

Session Classification: NDAG

Contribution ID: 79

Type: **not specified**

PNDA Benchmark

Monday, 4 November 2024 09:30 (20 minutes)

Presenter: ARAJ, Ruby (LLNL)

Session Classification: NDAG

Contribution ID: **80**

Type: **not specified**

LANL Immersion Density Measurement Process – How Can NCSP Help Address the Nuclear Data Need

Monday, 4 November 2024 10:10 (30 minutes)

Presenter: LITTLE, Robert (LANL)

Session Classification: NDAG

Contribution ID: **81**

Type: **not specified**

RPI Quasi-Differential Scattering Calculations

Monday, 4 November 2024 10:40 (30 minutes)

Presenter: SIEMERS, Greg (Rensselaer Polytechnic Institute)

Session Classification: NDAG

Contribution ID: **82**

Type: **not specified**

Status update on RPI LINAC, GELINA and LANSCE

Monday, 4 November 2024 11:10 (20 minutes)

Session Classification: NDAG

Contribution ID: **83**

Type: **not specified**

Open Discussion

Monday, 4 November 2024 11:30 (20 minutes)

Session Classification: NDAG

Contribution ID: **84**

Type: **not specified**

Date and Location of Next Meeting

Monday, 4 November 2024 11:50 (5 minutes)

Presenters: ZERKLE, Michael (Bettis Atomic Power Laboratory); Dr ZERKLE, Michael (Naval Nuclear Laboratory)

Session Classification: NDAG

Contribution ID: 85

Type: **not specified**

Summary of Actions

Monday, 4 November 2024 11:55 (5 minutes)

Presenters: ZERKLE, Michael (Bettis Atomic Power Laboratory); Dr ZERKLE, Michael (Naval Nuclear Laboratory)

Session Classification: NDAG

Contribution ID: **86**

Type: **not specified**

NDWG and WANDA Introduction

Monday, 4 November 2024 14:00 (10 minutes)

Presenter: Dr BREDEWEG, Todd (Los Alamos National Laboratory)

Session Classification: WANDA

Contribution ID: 87

Type: **not specified**

WANDA 2025 Overview

Monday, 4 November 2024 14:10 (2h 50m)

Presenters: O'BRIEN, Ellen (Los Alamos National Laboratory); BROWN, Jesse (ORNL)

Session Classification: WANDA

Contribution ID: **88**

Type: **not specified**

ENDF Library Update

Tuesday, 5 November 2024 08:15 (15 minutes)

Presenter: NOBRE, Gustavo (BNL)

Contribution ID: 89

Type: **not specified**

Evaluations of 155,157Gd, 95Mo, 92,94Zr

Thursday, 7 November 2024 16:15 (20 minutes)

Presenter: LEAL, Luiz (ORNL)

Session Classification: Evaluation