

**Mini-CSEWG 2023**

# **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Welcome

*Tuesday, 25 April 2023 09:00 (10 minutes)*

**Presenters:** DAVID, Brown (NNDC, Brookhaven National Laboratory); WIARDA, Dorothea (ORNL)

**Session Classification:** Formats & Processing

Contribution ID: 2

Type: **not specified**

## **Clarification of ENDF sum rules (#145)**

*Tuesday, 25 April 2023 09:10 (10 minutes)*

**Presenter:** DAVID, Brown (NNDC, Brookhaven National Laboratory)

**Session Classification:** Formats & Processing

Contribution ID: 3

Type: **not specified**

## **Correct a minor omission in File 4 (#141)**

*Tuesday, 25 April 2023 09:20 (10 minutes)*

**Presenter:** DAVID, Brown (NNDC, Brookhaven National Laboratory)

**Session Classification:** Formats & Processing

Contribution ID: 4

Type: **not specified**

## **Thermal neutron capture primary gamma-rays: Issue and repair**

*Tuesday, 25 April 2023 09:30 (10 minutes)*

**Presenters:** CHIMANSKI, Emanuel (BNL); THOMPSON, Ian (LLNL)

**Session Classification:** Formats & Processing

Contribution ID: 5

Type: **not specified**

## **Ability to use MT=900-999 for primary gammas (#139)**

*Tuesday, 25 April 2023 09:40 (10 minutes)*

**Presenter:** THOMPSON, Ian (LLNL)

**Session Classification:** Formats & Processing

Contribution ID: 6

Type: **not specified**

## **Clarification for collapsing of probability matrices (#143)**

*Tuesday, 25 April 2023 09:50 (10 minutes)*

**Presenter:** WIARDA, Dorothea (ORNL)

**Session Classification:** Formats & Processing

Contribution ID: 7

Type: **not specified**

## **LTY=0 matrices options clarification (#142)**

*Tuesday, 25 April 2023 10:00 (10 minutes)*

**Presenter:** WIARDA, Dorothea (ORNL)

**Session Classification:** Formats & Processing



Contribution ID: 8

Type: **not specified**

## **Format Proposal for Isotopic Distribution in TSL Files for ENDF/B-VIII.1 (#144)**

*Tuesday, 25 April 2023 10:10 (10 minutes)*

**Presenter:** CHAPMAN, Chris (Oak Ridge National Laboratory)

**Session Classification:** Formats & Processing

Contribution ID: 9

Type: **not specified**

## **FUDGE**

*Tuesday, 25 April 2023 10:40 (20 minutes)*

**Presenter:** MATTOON, Caleb (Lawrence Livermore National Lab)

**Session Classification:** Formats & Processing

Contribution ID: **10**

Type: **not specified**

## **NJOY**

*Tuesday, 25 April 2023 11:00 (20 minutes)*

**Presenter:** HAECK, Wim (LANL)

**Session Classification:** Formats & Processing

Contribution ID: **11**

Type: **not specified**

## **AMPX**

*Tuesday, 25 April 2023 11:20 (20 minutes)*

**Presenter:** MCDONNELL, Jordan (UT-Battelle)

**Session Classification:** Formats & Processing

Contribution ID: 12

Type: **not specified**

## **General discussion: How to use the new TSL data effectively in user code**

*Tuesday, 25 April 2023 11:40 (20 minutes)*

**Presenter:** WIARDA, Dorothea (ORNL)

**Session Classification:** Formats & Processing

Contribution ID: 13

Type: **not specified**

## **MF=34 format and O-16 covariance testing**

*Thursday, 27 April 2023 13:30 (20 minutes)*

**Presenter:** GIBSON, Nathan (Los Alamos National Laboratory)

**Session Classification:** Covariances

Contribution ID: 14

Type: **not specified**

## **Pu-9, U-5, U-8**

*Thursday, 27 April 2023 13:50 (15 minutes)*

**Presenter:** PARSONS, Kent (Los Alamos National Laboratory)

**Session Classification:** Covariances

Contribution ID: 15

Type: **not specified**

## **Covariance ADVANCE testing**

*Thursday, 27 April 2023 14:05 (15 minutes)*

**Presenter:** DAVID, Brown (NNDC, Brookhaven National Laboratory)

**Session Classification:** Covariances



Contribution ID: 16

Type: **not specified**

## Covariance LLNL testing

*Thursday, 27 April 2023 14:20 (10 minutes)*

**Presenter:** CASPERSON, Robert (LLNL)

**Session Classification:** Covariances

Contribution ID: 17

Type: **not specified**

## **Covariance Testing Progress for ENDF/B-VIII.1 $\beta$ 1 at ORNL**

*Thursday, 27 April 2023 14:30 (25 minutes)*

**Presenter:** MARSHALL, William (Oak Ridge National Laboratory)

**Session Classification:** Covariances

Contribution ID: 18

Type: **not specified**

## **Covariance processing from ORNL + Ta-181**

*Thursday, 27 April 2023 14:55 (20 minutes)*

**Presenters:** BROWN, Jesse (ORNL); MCDONNELL, Jordan (UT-Battelle)

**Session Classification:** Covariances

Contribution ID: 19

Type: **not specified**

## **Covariance testing and Update on $^{239}\text{Pu}$ and $^{235}\text{U}$ PFNS covariances**

*Thursday, 27 April 2023 15:35 (20 minutes)*

**Presenters:** NEUDECKER, Denise (Los Alamos National Laboratory, Theoretical Division); GIBSON, Nathan (Los Alamos National Laboratory); TALOU, Patrick (Los Alamos National Laboratory)

**Session Classification:** Covariances

Contribution ID: 20

Type: **not specified**

## **Full Energy Covariance Generation of Pb-208**

*Thursday, 27 April 2023 15:55 (15 minutes)*

**Presenter:** BRAIN, Peter (RPI)

**Session Classification:** Covariances

Contribution ID: 21

Type: **not specified**

## **Pu-9, U-5, U-3 RRR covariances**

*Thursday, 27 April 2023 16:10 (15 minutes)*

**Presenter:** PIGNI, Marco (ORNL)

**Session Classification:** Covariances

Contribution ID: 22

Type: **not specified**

## **n+239Pu covariance evaluation at LLNL**

*Thursday, 27 April 2023 16:25 (10 minutes)*

**Presenters:** KRAVVARIS, Konstantinos; WENDT, Kyle (Lawrence Livermore National Laboratory)

**Session Classification:** Covariances

Contribution ID: 23

Type: **not specified**

## INDEN Covariances

*Thursday, 27 April 2023 16:35 (10 minutes)*

**Presenter:** TRKOV, Andrej (Jozef Stefan Institute)

**Session Classification:** Covariances



Contribution ID: 24

Type: **not specified**

## Welcome

*Thursday, 27 April 2023 09:00 (10 minutes)*

**Presenters:** DAVID, Brown (NNDC, Brookhaven National Laboratory); NEUDECKER, Denise (Los Alamos National Laboratory, Theoretical Division); CHADWICK, Mark (Lanl)

**Session Classification:** Evaluations

Contribution ID: 25

Type: **not specified**

## Evaluation observations

*Thursday, 27 April 2023 09:10 (15 minutes)*

**Presenter:** CHADWICK, Mark (Lanl)

**Session Classification:** Evaluations

Contribution ID: 26

Type: **not specified**

## Ongoing $^{239}\text{Pu}$ resonance work for beta2 consideration

*Thursday, 27 April 2023 09:25 (15 minutes)*

**Presenter:** PIGNI, Marco (ORNL)

**Session Classification:** Evaluations

Contribution ID: 27

Type: **not specified**

## Updates on 9Be and 6Li for beta2 consideration

*Thursday, 27 April 2023 09:40 (15 minutes)*

**Presenter:** PARIS, Mark (LANL T-2)

**Session Classification:** Evaluations

Contribution ID: 28

Type: **not specified**

## **Updates on $^{238}\text{U}$ for beta2 consideration and comments on other isotopes - Fl, Cu, Ni, $^{16}\text{O}$ , TSL**

*Thursday, 27 April 2023 09:55 (30 minutes)*

**Presenter:** CAPOTE, Roberto (IAEA NDS)

**Session Classification:** Evaluations

Contribution ID: 29

Type: **not specified**

## **On integral benchmarks for resolving TSL conflicts for ENDF/B-VIII.1 release**

*Thursday, 27 April 2023 10:25 (25 minutes)*

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

**Session Classification:** Evaluations

Contribution ID: **30**

Type: **not specified**

## **Updates on 236U for beta2 consideration**

*Thursday, 27 April 2023 10:55 (15 minutes)*

**Presenter:** STETCU, Ionel (Los Alamos National Lab)

**Session Classification:** Evaluations

Contribution ID: 31

Type: **not specified**

## Capture spectra

*Thursday, 27 April 2023 11:10 (15 minutes)*

**Presenter:** LEWIS, Amanda (Naval Nuclear Laboratory)

**Session Classification:** Evaluations



Contribution ID: 32

Type: **not specified**

## **Prospectus: consistent evaluation of Pt isotopes**

*Thursday, 27 April 2023 11:25 (15 minutes)*

**Presenter:** HERMAN, Mike (LANL)

**Session Classification:** Evaluations

Contribution ID: 33

Type: **not specified**

## **Photonuclear cross section comparisons for beta2**

*Thursday, 27 April 2023 11:40 (20 minutes)*

**Presenter:** CHADWICK, Mark (Lanl)

**Session Classification:** Evaluations

Contribution ID: 34

Type: **not specified**

## Timeline Discussions

*Tuesday, 25 April 2023 13:30 (30 minutes)*

**Presenter:** NOBRE, Gustavo (BNL)

**Session Classification:** Release Discussion

Contribution ID: 35

Type: **not specified**

## **Automated updates to masses, Q-values, thresholds and electrons**

*Tuesday, 25 April 2023 14:15 (15 minutes)*

**Presenter:** BECK, Bret (LLNL)

**Session Classification:** Release Discussion

Contribution ID: 36

Type: **not specified**

## Exit distributions

*Tuesday, 25 April 2023 14:30 (15 minutes)*

**Presenters:** LEE, Hye Young (LANL); THOMPSON, Ian (LLNL)

**Session Classification:** Release Discussion

Contribution ID: 37

Type: **not specified**

## **ADVANCE Discussion**

*Tuesday, 25 April 2023 14:00 (15 minutes)*

**Presenter:** DAVID, Brown (NNDC, Brookhaven National Laboratory)

**Session Classification:** Release Discussion

Contribution ID: **38**

Type: **not specified**

## Welcome

*Wednesday, 26 April 2023 09:00 (10 minutes)*

**Presenters:** DAVID, Brown (NNDC, Brookhaven National Laboratory); ZERKLE, Michael (Bettis Atomic Power Laboratory)

**Session Classification:** Validation I

Contribution ID: 39

Type: **not specified**

## **Validation of Nuclear Data Files from the Third Preliminary Release of ENDF/B-VIII.1**

*Wednesday, 26 April 2023 09:10 (40 minutes)*

**Presenter:** KLEEDTKE, Noah (LANL)

**Session Classification:** Validation I



Contribution ID: 40

Type: **not specified**

## **Validating ENDF/B-VIII.1beta1 with LLNL pulsed-sphere neutron-leakage spectra**

*Wednesday, 26 April 2023 09:50 (10 minutes)*

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

**Session Classification:** Validation I

Contribution ID: 41

Type: **not specified**

## **NNL Testing of ENDF/B-VIII.1(beta1)**

*Wednesday, 26 April 2023 10:00 (30 minutes)*

**Presenter:** THOMPSON, Jason (NNL-KAPL)

**Session Classification:** Validation I

Contribution ID: 42

Type: **not specified**

## **Initial Assessment of ENDF/B-VIII.1 $\beta$ 1 with VALID Criticality Benchmarks**

*Wednesday, 26 April 2023 10:55 (20 minutes)*

**Presenter:** MARSHALL, William (Oak Ridge National Laboratory)

**Session Classification:** Validation I

Contribution ID: 43

Type: **not specified**

## **AWE Fast Crit Testing of beta1**

*Wednesday, 26 April 2023 11:15 (15 minutes)*

**Presenter:** CORNOCK, Mark (AWE.Plc)

**Session Classification:** Validation I

Contribution ID: 44

Type: **not specified**

## **LLNL MERCURY ENDF/B-VIII.1( $\beta$ 1) testing results using GNDS processed by FUDGE**

*Wednesday, 26 April 2023 11:30 (15 minutes)*

**Presenter:** DESCALLE, Marie-Anne (LLNL)

**Session Classification:** Validation I

Contribution ID: 45

Type: **not specified**

## **Recent experimental benchmark results for TEX-Pu for TSL testing**

*Wednesday, 26 April 2023 11:45 (15 minutes)*

**Presenter:** PERCHER, Catherine (Lawrence Livermore National Laboratory)

**Session Classification:** Validation I

Contribution ID: 46

Type: **not specified**

## **E8R1 beta1 testing in Studsvik's CASMO5 lattice physics code**

*Wednesday, 26 April 2023 13:30 (15 minutes)*

**Presenter:** FERRER, Rodolfo (Studsvik Scandpower)

**Session Classification:** Validation II

Contribution ID: 47

Type: **not specified**

## **Evaluation of the Pool Critical Assembly (PCA) Benchmark with ENDF/B-VIII.1beta1 using MCNP6**

*Wednesday, 26 April 2023 13:45 (20 minutes)*

**Presenter:** FISCHER, Greg (Westinghouse)

**Session Classification:** Validation II



Contribution ID: 48

Type: **not specified**

## Open Discussion

*Wednesday, 26 April 2023 14:05 (1 hour)*

**Session Classification:** Validation II

Contribution ID: 49

Type: **not specified**

## **Pu-9(n,f) cross section covariances**

*Thursday, 27 April 2023 16:45 (5 minutes)*

**Presenter:** SCHNABEL, Georg (IAEA)

**Session Classification:** Covariances