



# Nuclear Data Week 2020 (CSEWG-USNDP-NDAG)

## Monday, 30 November 2020

### CSEWG: Formats Committee (in Memory of Maurice Greene) (11:10 - 12:45)

-Conveners: Dorothea Wiarda; Michael Dunn

time	[id] title	presenter
11:10	[444] Introduction	DUNN, Michael
11:15	[445] TSL mixed elastic scattering format	Dr ZERKLE, Michael
11:27	[447] Update manual to suggest using physical constants from CODATA2018	Dr CONLIN, Jeremy
11:33	[448] Add IAEA Photonuclear Data Library NLIB	Dr BROWN, Dave
11:39	[449] Background R-matrix	BROWN, Jesse
11:45	[450] ENDF-102 Clarification for Primary Discrete	Dr BECK, Bret
11:51	[451] Updated ENDF Format Approval Process	Dr BROWN, Dave WIARDA, Dorothea DUNN, Michael
12:01	[452] NJOY (LANL)	Dr CONLIN, Jeremy
12:14	[453] AMPX/SAMMY (ORNL)	WIARDA, Dorothea
12:27	[454] FUDGE (LLNL)	MATTOON, Caleb
12:40	[455] WPEC Subgroup Status Reports	Dr BROWN, Dave

### CSEWG: Formats / Covariance Committee (13:00 - 14:16)

-Conveners: Denise Neudecker; Michael Dunn; Dorothea Wiarda

time	[id] title	presenter
13:00	[375] Update on template effort	Dr NEUDECKER, Denise
13:10	[376] FY template	MATTHEWS, Eric
13:22	[377] SG-50 and templates	Dr LEWIS, Amanda
13:37	[378] Resolving USU for next version of standards	CAPOTE, Roberto
13:52	[379] Chi-Nu data and covariances	KELLY, Keegan
14:04	[380] Fission yields and cross sections: correlated or not?	ROCHMAN, Dimitri

### CSEWG: Covariance Committee (15:35 - 16:45)

-Conveners: Denise Neudecker

time	[id] title	presenter
15:35	[381] Introducing the need for systematic testing and validation of covariances BEFORE their release	Dr NEUDECKER, Denise
15:50	[382] Covariance testing codes at BNL	Dr BROWN, Dave
16:00	[383] Covariance testing codes at LANL	PARSONS, Kent
16:15	[384] Covariance testing codes at LLNL	WENDT, Kyle

16:30	[385] Covariance testing codes at ORNL	HOLCOMB, Andrew BOSTELMANN, Friederike
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**CSEWG: Experiments Committee (17:00 - 18:30)****-Conveners: Yaron Danon**

time	[id] title	presenter
17:00	[400] Updates on nuclear data experiments at LANSCE - I	LEE, Hye Young
17:15	[401] Updates on nuclear data experiments at LANSCE - II	KELLY, Keegan
17:30	[402] New UML capability for measurements of nuclear data – capture gammas from 56Mn	JANDEL, Marian
17:45	[399] Neutron-induced neutron emission from 235U and 239Pu	MOHINDROO, Kumar
17:55	[403] Berkeley Nuclear Data Measurements Program	MORRELL, Jonathan
18:15	[404] The current status of the EXFOR Project	Dr PRITYCHENKO, Boris

## Tuesday, 1 December 2020

### CSEWG: Experiments Committee (11:00 - 12:45)

-Conveners: Yaron Danon

time	[id] title	presenter
11:00	[405] Hf(n,tot) Measurement in the High Energy Region at the RPI LINAC	RAPP, Michael
11:20	[406] University of Kentucky Accelerator Laboratory Activities	VANHOY, Jeffrey
11:40	[407] Recent Work on Neutron Standards	Dr CARLSON, Allan
12:00	[408] YHx data measured at the SNS	CHAPMAN, Chris
12:20	[409] Partial and differential (a,n) cross section measurements on boron, carbon, and oxygen isotopes	DEBOER, James

### CSEWG: Evaluation Committee (13:00 - 14:50)

-Conveners: Mark Chadwick; Toshihiko Kawano; Patrick Talou

time	[id] title	presenter
13:00	[458] Introduction	Dr CHADWICK, Mark
13:05	[339] Summary of changes	Dr BROWN, Dave
13:15	[340] IAEA photonuclear library 2019	KAWANO, Toshihiko
13:25	[342] 7Li evaluation	HALE, Gerry
13:35	[341] Charged particle data evaluation	Dr PARIS, Mark
13:45	[343] TSL evaluations and progress at NCSU	Prof. HAWARI, Ayman
13:55	[344] NNL-developed TSL evaluations	Dr ZERKLE, Michael
14:05	[345] Evaluation of TSL of yttrium hydride moderator material	RAMIC, Kemal
14:15	[346] New INDEN evaluation of Fe isotopes and Mn	Dr TRKOV, Andrej
14:30	[347] Cr evaluation	Dr NOBRE, Gustavo
14:40	[348] TBD	

### CSEWG: Evaluation Committee (15:00 - 16:55)

-Conveners: Toshihiko Kawano; Mark Chadwick; Patrick Talou

time	[id] title	presenter
15:00	[349] 181Ta evaluation	Dr HERMAN, Mike
15:10	[459] 181Ta resonance evaluation update	Dr BARRY, Devin
15:20	[350] Angular and energy distributions update for structural materials	KIM, Hyeong Il
15:30	[351] 35Cl	KUVIN, Sean
15:40	[352] RQ Wright's Hf updates	Dr BROWN, Dave
15:45	[353] 63,65Cu RRR+URR evaluation	MCDONNELL, Jordan
15:55	[354] 140,142Ce RRR evaluation	CHAPMAN, Chris
16:05	[355] Pb isotope evaluations for fast reactor applications	BRAIN, Peter

16:15	[356] INDEN issues on 235U, 239Pu, etc.	CAPOTE, Roberto
16:30	[460] LLNL Neptunium evaluation guided by surrogate (n,f) measurements	HOFFMAN, robert
16:40	[357] Updates from IRSN	LEAL, Luiz

**CSEWG: Evaluation Committee (17:10 - 19:00)**

**-Conveners: Mark Chadwick; Toshihiko Kawano; Patrick Talou**

time	[id] title	presenter
17:10	[358] Updates to RRR and URR evaluations of 233,235U and 239Pu	Dr PIGNI, Marco
17:25	[359] 234U, 236U evaluations	STETCU, Ionel
17:35	[361] 239Pu	MUMPOWER, Matthew
17:45	[362] 239Pu(nf)/235U(n,f) measurements for a 239Pu evaluation	POTEL AGUILAR, Gregory
18:00	[363] RQ Wright's minor actinide nu-bar	Dr BROWN, Dave
18:05	[364] nu-bar and PFNS evaluation for 239Pu	Dr NEUDECKER, Denise
18:15	[365] Spin distributions in FF, particle number projection, excitation energy of FF	SCHUNCK, Nicolas
18:30	[366] FREYA	VOGT, Ramona
18:45	[367] Fission yield effort at BNL	SEARS, Caroline

## Wednesday, 2 December 2020

### CSEWG: Evaluation Committee (11:00 - 12:30)

-Conveners: Patrick Talou; Mark Chadwick; Toshihiko Kawano

time	[id] title	presenter
11:00	[368] SFY & NFY changes	MATTERA, Andrea
11:10	[369] FPY evaluation at LANL	LOVELL, Amy
11:25	[370] FPY CRP started	CAPOTE, Roberto
11:35	[371] Tentative, TBD	GOODEN, Matthew FINCH, Sean
11:50	[372] Fission product yield measurements using <sup>252</sup> Cf spontaneous fission and neutron-induced fission on actinide targets at CARIBU	SAVARD, Guy
12:05	[373] Measurement of Short-Lived Fission Product Yields for <sup>237</sup> Np via gamma-ray Spectroscopy	PIERSON, Bruce
12:20	[374] Additions to the ENDF decay data sub-library from NNDC	LOREK, Ryan

### CSEWG: Validation Committee (12:45 - 15:00)

-Conveners: Michael Zerkle; Andrej Trkov

time	[id] title	presenter
12:45	[386] Introduction	Dr TRKOV, Andrej Dr ZERKLE, Michael
12:50	[387] JSI Nuclear Data Testing	Dr TRKOV, Andrej
13:05	[388] Recent Testing of ENDF/B-VIII.0 at ORNL	MARSHALL, William
13:35	[457] Investigation on the reactivity underestimation of ENDF/B-VIII.0 compared to ENDF/B-VII.1	KIM, Kang Seog
13:45	[389] Validating Pu-isotope ENDF/B-VIII.0 nuclear data with critical assemblies and pulsed spheres using machine learning algorithms	Dr NEUDECKER, Denise
14:00	[390] Validation of the recent changes in the actinide evaluations U-235, U-233 and Pu-239	Dr TRKOV, Andrej
14:15	[391] LLNL Nuclear Data Testing	PERCHER, Catherine
14:30	[392] TSL Benchmark and Validation at NCSU	Prof. HAWARI, Ayman
14:40	[461] Initial Temperature-Dependent Validation for an ENDF/B-VIII.1 H-H2O TSL	HOLMES, Jesse

### CSEWG: Validation Committee (15:20 - 17:05)

-Conveners: Michael Zerkle; Andrej Trkov

time	[id] title	presenter
15:20	[394] Improvements to the <sup>56</sup> Fe evaluation	CAPOTE, Roberto
15:35	[395] Validation of new evaluations of the chromium isotopes	Dr NOBRE, Gustavo
15:50	[396] The Impact of Updated Iron and Chromium Cross Sections in Fusion Applications	BOHM, Tim

16:10	[397] Assessing the impact of nuclear data changes on benchmark observables with Crater	HAECK, Wim
16:25	[398] New and revised benchmarks in the ICSBEP and IRPhEP Handbooks	BESS, John