

**23<sup>rd</sup> Technical Meeting of the  
Nuclear Structure and Decay Data Network**

8 - 12 April 2019  
IAEA, Vienna  
M6, Bldg. M

**Adopted AGENDA**

**Monday, 8 April**

- |                      |   |
|----------------------|---|
| <b>08:00 – 09:00</b> | <b>Registration (IAEA Registration Desk, Gate 1)</b>  |
| <b>09:00 – 09:30</b> | <b>Opening Session</b><br>Welcoming address (M. Denecke, DIR/NAPC)<br>Administrative matters<br>Election of Chairman and Rapporteur<br>Adoption of the Agenda   |
| <b>09:30 – 10:30</b> | <b>Actions Review</b>   |
| <b>10:30 – 11:00</b> | <i>Coffee break</i>   |
| <b>11:00 – 12:30</b> | <b>Actions Review cont'd</b>  |
| <b>12:30 – 14:00</b> | <i>Lunch</i>  |
| <b>14:00 – 16:00</b> | <b>Reporting:</b> 10' unless indicated otherwise<br>1) USNDP/NNDC (20')<br>2) IAEA (20')<br>3) Bay Area (LBNL + UCB)<br>4) TUNL<br>5) ANL<br>6) MSU<br>7) ORNL<br>8) TEXAS A&M (15')<br>9) Canada (15')<br>10) Romania<br>11) Hungary<br>12) Bulgaria<br>13) India (15')<br>14) China Jilin<br>15) China CNDC<br>16) Japan<br>17) Australia<br>18) Russia |
| <b>16:00 – 16:30</b> | <i>Coffee break</i>   |

**16:30 – 18:00**      **Reporting** cont'd:  
**Horizontal, XUNDL, Dissemination**  
19) XUNDL  
20) NUDAT  
21) DDEP  
22) LIVECHART/MEDICAL PORTAL/DECAY PORTAL

## Tuesday, 9 April

**09:00 – 10:30**      **Data Centres** (V. Dimitriou): 20'  
**ICTP Workshop** (V. Dimitriou): 10'  
23) NSR (B. Pritychenko) 10'  
Spill over from Reporting session

**10:30 – 11:00**      *Coffee break*

**11:00 – 12:30**      **Organizational Review/Policies/Procedures** (L. McCutchan): 90'

**12:30 – 14:00**      *Lunch*

**14:00 – 16:00**      **Proposals / Items from Evaluators:**

1. Ultra-precise half-lives for ground states and isomers in literature, and evaluation issues (B. Singh) 30'
2. Labeling configurations (F. Kondev) 30'

**16:00 – 16:30**      *Coffee break*

**16:30 – 18:00**      **Round-table discussion**

- Consistency in ENSDF: (a) Adopted static moment (b) neutron and/or charged-particle resonances, and associated gamma-ray data in Adopted data sets (c)  $E_g$  and  $I_g$  values, and levels in Adopted datasets
- Best recommended gamma-ray energies for adopted data sets; and alpha-energies for decay data sets
- Carry over of A2, A4, DCO, Conversion coefficient data from individual data sets to an Adopted data
- How to deal with results from GOSIA least-squares fit analysis in Coul. ex
- Publication of mass-chain articles in NDS: verbatim copy of material from previous mass chains
- Rounding-off and averaging policies
- How to handle systematic uncertainties in measurements in averaging
- Mixing derived gamma-ray energies with measured energies in experimental papers

**19:00**                      *Dinner in a Restaurant (see separate information)*

## Wednesday, 10 April

**09:00 – 10:30**

**Proposals / Items from Evaluators cont'd:**

3. Final atomic data format (T. Kibedi) 15'
4. Continuous Data in ENSDF (X. Mougeot, A. Sonzogni) 30'
5. NSEI Database (A. Negret) 15'
6. Logft review project (S. Turkat) 20'

**10:30 – 11:00**

*Coffee break*

**11:00 – 12:30**

**Discussion on NSDD network: present and future challenges and how to address them?** (V. Dimitriou)

**12:30 – 14:00**

*Lunch*

**14:00 – 16:00**

**Discussions on current challenging topics in ENSDF evaluation**  
(Coordinator: L. McCutchan)

- 14:00-14:15 - Transition strengths – S. Basunia
- 14:15-14:35 - Uncertain Levels/Gammas and Highly precise energies – J. Timar
- 14:35-15:05- TAGS and normalization – S. Lalkovski
- 15:05-15:30 - T1/2 and %Ig averaging – D. Yang
- 15:30-16:00 - GABS and PANDORA suggestions – N. Nica

**16:00 – 16:30**

*Coffee break*

**16:30 – 18:30**

**Discussions on current challenging topics in ENSDF evaluation cont'd**

- 16:30-16:50 – Proton decay and ambiguous references – A. Negret
- 16:50-17:10 -  $^{137}\text{Ce}$  EC decay – C. Nesaraja
- 17:10-17:30 - DCO ratios and minimum uncertainty – J. Tuli
- 17:30-18:00 - Exercises in Decay Data Normalization – E. McCutchan
- 18:00-18:30 – Ideas for increasing efficiency in evaluation – All

**16:00 – 16:30**

*Coffee break*

**16:30 – 18:30**

**Discussions on current challenging topics in ENSDF evaluation cont'd**

## Thursday, 11 April

<b>09:00 – 09:30</b>	Report on IAEA ENSDF Codes Meeting Dec. 2018 (V. Dimitriou)
<b>09:30 – 10:30</b>	GABS/BRICC (T. Kibedi)
<b>10:30 – 11:00</b>	<i>Coffee Break</i>
<b>11:00 – 11:30</b>	Alphad_RadD, Alphad (S. Singh)
<b>11:30 – 12:00</b>	J-GAMUT (B. Singh)
<b>12:00 – 12:30</b>	WebRadlst (A. Sonzogni)
<b>12:30 – 14:00</b>	<i>Lunch</i>
<b>14:00 – 14:30</b>	Beta-Shape (X. Mougeot)
<b>14:30 – 15:00</b>	ENSDF Editors (V. Zerkin)
<b>15:00 – 15:30</b>	NSR_refs_manager package (A. Rodionov)
<b>15:30 – 16:00</b>	<i>Coffee break</i>
<b>16:00 – 16:30</b>	PABS (Sh. Basunia)
<b>16:30 – 17:00</b>	Consistency Check / NSR Check (Jun Chen-WebEx)
<b>17:00 – 18:00</b>	JAVA-RULER/Python (Jun Chen-WebEx, F. Kondev)

## Friday, 12 April

<b>09:00 – 10:00</b>	<b>Round-table discussion</b> cont'd Spill-over from earlier sessions Proposals for 24th NSDD meeting	
<b>10:00 – 12:30</b>	<b>Approval of Action List / Minutes</b>	<i>Coffee break in between</i>
<b>12:30</b>	<b>Closing of the Meeting</b>	