

**19<sup>th</sup> Meeting of the  
Nuclear Structure and Decay Data (NSDD) Network**

**IAEA, Vienna, Austria  
4-8 April 2011  
Meeting Room: M5**

**Adopted AGENDA**

**Monday, 4 April 2011**

**09:00-9:30 Introduction**

- Welcome remarks  
D. Bin Mohamad, DDG-NA  
D. Abriola, NDS/NAPC
- Election of Chairman and Rapporteur
- Adoption of Agenda (Chairman)

**09:30-10:30 Actions from Previous Meetings**

[List of Actions \(carry over from March 2009\)](#)

Others

*10:30-11:00 Coffee Break and Administrative Matters*

**11:00-12:30 Reports by Evaluation Centres**

NSDD activities and ENSDF evaluators' reports (all centres – 10- mins each)

[NNDC-USA](#)

[IAEA-NDS](#)

[ORNL, USA](#)

[LBNL, USA](#)

[TUNL, USA](#)

[CEN, France](#)

**12:30-14:00** *Lunch*

**14:00-16:00 Reports by Evaluation Centres (cont'd)**

[ANL, USA](#)

[McMaster, Canada](#)

[St. Petersburg, Russia](#)

[JAEA, Japan](#)

[Institute of Atomic Energy, China](#)

[Jilin University, China](#)

[IIT Roorkee, India](#)

[\[Manipal University, India\]](#)

[ANU, Australia](#)

[Nuclear Data Center, Kuwait](#)

[\[Debrecen, Hungary\]](#)

**16:00-16:30 Administrative and Technical Items**

Report on the US Nuclear Data Program (Herman)

**16:30-17:45 Meetings, Workshops, Trainings and Other Activities**

- Report on the IAEA Nuclear Data Programme (Abriola)
  - ICTP-IAEA workshop on NSDD, 11-15 October 2010
- New evaluation centres/new evaluators (Tuli)
  - Status of new evaluation centers/new evaluators
  - European effort (Balabanski)

*[Coffee Break as needed]*

**Tuesday, 5 April 2011**

**09:00-11:30 Meetings, Workshops, Trainings and Other Activities (cont'd)**

- Training of new evaluators (Singh)

**Organisational Review (Tuli)**

- Activities, priorities and manpower
  - Summary of ENSDF evaluations status and activities in 2009-2010
  - Revision of NSDD membership
  - Estimated manpower of each centre for ENSDF evaluations
  - Future evaluations: priorities
- Re-definition of responsibilities of current groups
- Preliminary mass assignments to new groups
- Network computer programs
- Data Bases
  - ENSDF Status (Tuli)
  - XUNDL (Singh)
  - NSR Status (Herman)
  - NuDat (Sonzogni)
  - LiveChart (Abriola, Vasaros)

*[Coffee Break as needed]*

**11:30-12:30 Technical discussions**

1. The EGAF file, Firestone (30 min)
2. Decay Data Evaluation Project (DDEP) and ICRM Decay Data WG, status of activities, M.-M. Bé (15 min)

**12:30-14:00 Lunch**

**14:00-17:30 Technical discussions (cont'd)**

3. ND 2013, Sonzogni (20 min)
4. Atomic radiations in nuclear decay, Kibedi, Kondev (30 min)
5. Issues in ENSDF, Sonzogni (30 min)

## Wednesday, 6 April 2011

### 09:00-12:30 Round Table: Evaluators' discussion regarding uniformity in ENSDF evaluations

1. Computer codes: new JAVA code for NDS, Singh (15 min)
2. BrIcc code needs some changes for E0+M1+E2 type of admixtures and when no mixing ratio is given for M1(E2) or E1(+M2) transitions, Kibedi, Singh (15 min)
3. ENSDF Error Extraction, Mitropolsky (15 min)
4. Systematics of Nuclear Gamma Transitions, Mitropolsky (15 min)
5. BE2 evaluation for first 2+ states in N ~ Z ~ 28 region, Singh (15 min)
6. Discussion of guidelines for ENSDF evaluations of half-lives of ground states and long-lived isomers, Nichols, Singh (~ 60 min)
7. Moments: is it time to quote only the 2005St24 compilation and not the outdated 1989Ra17?, Singh (5 min)
8. Q values: is it necessary to quote from 2003Au03?, Singh (5 min)

*[Coffee Break as needed]*

**12:30-14:00** *Lunch*

### 14:00-17:30 Horizontal Evaluations, including Needs and Plans

1. Present status of AME and NUBASE evaluation, Wang (45 min)
2. Nuclear Moments Compilation, Stone (30 min)
3. Atlas of Nuclear Isomers, Jain (20 min)
4. Structure and Decay Properties of K-Isomers in nuclei with A>100: Database and Publication, Kondev, Kibedi (45 min)
5. +BrIcc - recent development in theoretical conversion coefficients, Kibedi (45 min)

**19:00** *Dinner in a Restaurant in the City*

(Restaurant "Weisser Tiger", please see separate information on meeting website)

## Thursday, 7 April 2011

### 09:00-12:30 ENSDF Proposals (Round Table)

1. Revised policy for inclusion of resonance data in ENSDF (Policy presented for approval), Singh (15 min)
2. Assignments of spins and multipolarities in ENSDF, especially when dealing with high-spin data, Singh (~ 60 min)
3. Updated mass chains in ENSDF: evaluators have different approach as to how they deal with earlier data in ENSDF where no new papers have appeared, Singh (15 min)
4. ENSDF evaluation of newer data: Some ways of updating ENSDF for current data on a more efficient basis, Singh (15 min)

*[Coffee Break as needed]*

**12:30-13:30** *Lunch*

**13:30-15:00 Technical Discussions (presentations)**

1. Internal conversion measurements, Nica (10 min)
2. Data evaluation, Nica (40 min)
3. Mammoths, Meteors, and Supernovae, Firestone (45 min)

**15:00-17:30 List of Recommendations and Actions** (round table)

*[Coffee Break as needed]*

**Friday, 8 April 2011**

**09:00-12:30 Conclusions and Recommendations**

Adoption of recommendations and actions

NSDD chairman

Next meeting

*[Coffee Break as needed]*

**12:30 Adjournment**