

**20th Meeting of the Nuclear Structure and Decay Data (NSDD) Network
27 – 31 January 2013
Kuwait Foundation for the Advancement of Sciences (KFAS)
Safat, Kuwait**

ADOPTED AGENDA

Sunday, 27 January

**10:00-12:00 Opening of the 20th IAEA NSDD Meeting, Welcome and Introduction
(Hamed Al-Essa Auditorium at KFAS)**

- Dr. Ameenah Farhan, Kuwait University/KFAS
- Dr. Adnan Shihab-Eldin, Director General, KFAS
- Dr. Daniel Abriola, IAEA-NDS
- Dr. Balraj Singh, McMaster Univ.: Brief history of Kuwait Nuclear Data Project

REFRESHMENT BREAK (Ground Floor Lobby)

NOTE: ALL MEETING SESSIONS BELOW WILL BE HELD IN THE KUWAIT HALL – 2ndFLOOR.

Lunches and Coffee Breaks will be on 2nd Floor Lobby.

12:00-12:30 Chairman Election and Agenda

- Election of Chairman and Rapporteur
- Adoption of Agenda (Chairman)

12:30-14:00 *Lunch*

14:00-15:30 Actions from Previous NSDD Meetings

- List of Actions (carry over from NSDD-2011)
- Others

**15:30-16:15 Reports by Evaluation Centers about NSDD activities
(all centers – 10-mins each)**

NNDC, USA

[IAEA-NDS](#)

[ORNL, USA](#)

[LBNL, USA](#)

16:15-16:30 *Coffee Break*

16:30-17:45 Reports by Evaluation Centers (cont'd)

[TUNL, USA](#)

[ANL, USA](#)

[McMaster, Canada](#)

[JAEA, Japan](#)

[Jilin University, China](#)

Monday, 28 January

09:00-10:45 Reports by Evaluation Centers (cont'd)

IIT, Roorkee, India

[Manipal University, India](#)

ANU, Australia

[Nuclear Data Project, Kuwait](#)

Nuclear Physics Institute, Hungary

CEN, France

10:45-11:00 *Coffee Break*

11:00-12:30 Meetings, Workshops, Trainings and Other Activities

- Report on the IAEA Nuclear Data Programme (Abriola)
 - ICTP-IAEA workshop on NSDD, 6-17 August 2012
- Report on NDS Determination of Nuclear Data Needs in Nuclear Medicine (2008-2012), and CRP on Nuclear Data for Charged-particle Monitor Reactions and Medical Isotope Production (Nichols)
- New evaluation centers/new evaluators (Tuli)
 - Status of new evaluation centers/new evaluators
 - European effort (Balabanski)
- New groups
 - Tandem collaboration to measure and evaluate actinide capture γ -ray data (Rossbach)

12:30-14:00 *Lunch*

14:00-16:15 Data Bases

- ENSDF Status (Tuli)
- XUNDL (Singh)
- LiveChart (Abriola)

16:15-16:30 *Coffee Break*

16:30-17:30 Organisational Review (Tuli)

- Activities, priorities and manpower
 - Summary of ENSDF evaluations status and activities 2011-2012
 - 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

Tuesday, 29 January

09:00-10:45 Technical presentations (~ 20 min each)

1. β -n decay probability systematic (McCutchan)
2. Report of Jordanian Nuclear Program (AbuSaleem)
3. ^{119m}Sn - A difficult experimental case to test internal-conversion theory (Nica)
4. Development of the new code to evaluate atomic radiations in nuclear decay to incorporate atomic data into ENSDF (Kibedi)
5. Nuclear data for level density and photon strengths (Siem)

10:45-11:00 Coffee Break

11:00-12:30 Technical presentations (cont'd)

6. TAG measurements at VECC (Mukherjee)
7. Anti-neutrino spectrum from nuclear reactors (McCutchan)
8. ^{139}Ba decay: precise half-life measurement and gamma spectroscopy at BARC (Joshi)

12:30-14:00 Lunch

14:00-16:15 Technical presentations (cont'd)

9. The RoSphere array at the Tandem accelerator of IFIN-HH (Negret)
10. Test of the visual average program (Blachot)
11. A survey of isobaric analogue states in NUBASE2012 (MacCormick)
12. Progress in the isomer project (Jain)

16:15-16:30 Coffee Break

16:30-17:30 Horizontal Evaluations, including Needs and Plans (~ 20 min each, if not indicated otherwise)

13. Report on update of the Combined Reference Table of Nuclear Magnetic Dipole and Electric Quadrupole Moments and interim Report on the new Table of Recommended Electric Quadrupole Moments (Stone,45 min.)
14. The AME and Nubase evaluation: present and future (Wang)

18:30-20:30 VISIT TO THE SCIENTIFIC CENTER KUWAIT (TSCK)

Wednesday, 30 January

09:00-10:45 Horizontal Evaluations, including Needs and Plans (cont'd)

15. Status of EGAF evaluation (Firestone)
16. Beta-delayed neutrons: McMaster +IAEA + BNL + GSI (Singh)
17. B(E2) for first 2+ states in e-e nuclei: BNL + McMaster + Central Michigan (Singh)

10:45-11:00 Coffee Break

11:00-12:30 Round Table: Technical Discussions

12:30-14:00 Lunch

14:00-16:15 Round Table: Technical Discussions (Cont'd)

16:15-16:30 *Coffee Break*

16:15-17:30 Recommendations and Actions: round table discussion (cont'd)

19:30 COMMON DINNER at the ASSAHA (Lebanese Traditional Village)

Thursday, 31 January

09:00-10:45 Recommendations and Actions: drafting of list

- Adoption of recommendations and actions

10:45-11:00 *Coffee Break*

11:00-13:00 Recommendations and Actions: drafting of list (contd.)

- Adoption of recommendations and actions (contd.)
- NSDD chairman
- Next meeting
- Adjournment