



“3rd Research Coordination Meeting of the CRP on Beta-Delayed Neutron Emission”

IAEA Headquarters, Vienna, Austria
12-16 June 2017
Meeting Room MOE27

Preliminary AGENDA

Monday, 12 June

08:30 - 09:00 **Registration** (IAEA Registration desk, Gate 1)

09:00 - 9:30 **Opening Session**

Welcoming address and Introduction
Election of Chairman and Rapporteur
Adoption of Agenda
Administrative matters

9:30 - 12:30 **Report Presentations by participants (about 30 min each)**

Neutron detectors, compilation, evaluation and digitization, Mukherjee

Report of CNDC (compilation, evaluation), Huang

Pn values in neutron-rich nuclei for astrophysics, Johnson

⁹⁵Rb decay half-life from the Belen measurements at IGISOL, Algora

Compilation and Evaluation of Pn and half-lives for beta-delayed neutron emitters across the nuclear chart, Singh

Coffee break as needed

12:30 – 14:00 **Lunch**

14:00 – 18:00 **Report Presentations by participants (cont'd)**

Relative abundances of delayed neutrons and half lives of their precursors from fission of ²³²Th, ²³⁸U, ²³⁹Pu, ²³⁷Np and ²⁴¹Am by neutrons in the energy range 14.2-18 MeV and 1 GeV protons, Piksaikin

Delayed neutron summation calculations and the identification of important precursors using the new CRP Pn values, Mills

Neutron energy dependence of delayed neutron yields and several short reports, Minato

Summation calculations and uncertainty analysis of delayed neutron yield, half-time and temporal group constants, Leconte

Fallot

Importance of Simulation Tools and Nuclear Data for Safeguards, Cormon

Coffee break as needed

Tuesday, 13 June

09:30 - 12:30 Report Presentations by participants (about 30 min each)

Validation of delayed-neutron data based on various reactor experiments, Leconte

Sonzogni

Chiba

Beta-decay and β -delayed neutron emission in very neutron-rich nuclei,

Borzov

Marketin

Coffee break as needed

12:30 – 14:00 Lunch

14:00 – 18:00 Report Presentations by participants (cont'd)

Beta-delayed neutron studies for heavy isotopes, Dillmann

Tain

Beta-Delayed Neutrons from the Reference Activity ^{137}I Measured with MTAS, Rasco

Update on relevant proposals on beta-delayed neutron emission, recent experiments and evaluated data, Rykaczewski

Beta-delayed neutron spectroscopy of fission fragments with VANDLE and the IDS Neutron Detector, Madurga

New bDN database, Dimitriou

Coffee break as needed

Dinner at local restaurant (19:00)

Wednesday, 14 June

09:00 - 12:30 Round Table Discussion

-results of the work assigned at the 2nd RCM and also of the individual work programs/review of actions lists (please look at actions lists of the summary report of the 2nd RCM):

new experimental data; new evaluated T1/2, Pn tables; standards and reference spectra; systematics; comparison of new evaluations with data, theory and previous compilations; benchmarking of new evaluations against nubar and DN spectra; group constants

-conclusions from above studies; recommendations

-new database and retrieval interface (for microscopic and macroscopic data)

-final technical report of the CRP: content, assignment of chapters, publication (IAEA, peer-reviewed journal)

12:30 – 14:00 **Lunch**

Coffee break as needed

14:00 – 18:00 **Round table discussion (cont'd)**

Coffee break as needed

Thursday, 15 June

09:00 - 12:30 **Round Table Discussion (cont'd)**

Coffee break as needed

12:30 – 14:00 **Lunch**

14:00 – 18:00 **Round table discussion (cont'd)**

Coffee break as needed

Friday, 16 June

09:00 - 12:30 **Drafting of the summary report**

Coffee break as needed

12:30 **Closing of the meeting**