



IAEA

***1st Research Coordination Meeting (RCM)
of the CRP on Beta-Delayed Neutron Emission Data***

IAEA Headquarters, Vienna, Austria
26-30 August 2013
Meeting Room VIC A0742

AGENDA

Monday, 26 August

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 **Presentations by participants (about 40 min each)**

1. *A comprehensive approach to determine delayed-neutron data – mass yield measurement, calculations of independent yield, decay heat and delayed neutrons*, S. Chiba, Tokyo Inst. of Technology, Japan
2. *An analysis of incident neutron energy dependence of beta-delayed neutrons*, F. Minato, JAEA, Japan
3. *Systematics of Pn and P2n decay*, T. Johnson, BNL, USA

Coffee break as needed

12:30 – 14:00 **Lunch**

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

4. *Emission of beta-delayed one- and two-neutrons including neutron-gamma correlations studied at Oak Ridge*, K. Rykaczewski, ORNL, USA
5. *Recent results on Pn-values with the BELEN 4pi neutron counter and future measurements*, J. Tain, IFIC-Univ. Valencia, Spain
6. *Opportunities for measurements of beta-delayed neutron emitters at the TRIUMF radioactive beam facility and the GRIFFIN and DESCANT spectrometers*, P. Garrett, Univ. of Guelph, Canada
7. *Measurements of beta delayed neutron emission probabilities: possibilities at VECC, Kolkata*, G. Mukherjee, VECC, India

Coffee break as needed

Tuesday, 27 August

09:00 - 12:30 Presentations by participants (about 40 min each)

8. *Towards a reference database for beta-delayed neutron precursors*, B. Singh, McMaster Univ., Canada
9. *Components of a reference database for beta-delayed neutron emission*, D. Abriola, Tandem Lab., Argentina
10. *Plans for evaluation of beta-delayed neutron emission data for some FP nuclides*, X. Huang, CNDC, China
11. *Simple estimates of beta-delayed neutron spectra*, A. Sonzogni; BNL, USA

Coffee break as needed

12:30 – 14:00 Lunch

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

12. *Beta delayed neutron data for advanced reactor technologies*, D. Cano-Ott, CIEMAT Madrid, Spain
13. *Absolute total delayed neutron yields, relative abundances and half-lives of delayed neutron groups in 6- and 8-group model format from neutron induced fission of ^{232}Th , ^{233}U , ^{236}U , ^{239}Pu , and ^{241}Am in the energy range from 0.35 MeV (or threshold energy) to 5 MeV*, V. Piksaikin, IPPE, Russia
14. *Calculation of delayed neutron emission from fission and fitting results to few group approximations*, R. Mills, National Nuclear Laboratory, UK
15. *Beta-delayed neutron emitters for reactor antineutrino energy spectra*, M. Fallot, SUBATECH-Univ. Nantes, France

Coffee break as needed

19:00 Dinner in a restaurant (see separate information)

Wednesday, 28 August

09:00 - 12:30 Round Table Discussion

Following presentations made by K. Rykaczewski

16. *North-American Workshop on Beta-delayed neutron emission: Summary*
17. *Microscopic Approach to beta-delayed-neutron emission*, I. Borzov, IPPE
18. *Energy-resolved beta-delayed neutron spectroscopy of fission fragments with VANDLE*, R. Grzywacz, UTK/ORNL
19. *New statistical formula for beta-delayed neutron emission probability*, K. Miernik, ORNL/U. of Warsaw

Coffee break as needed

12:30 – 14:00 Lunch

14:00 – 17:30 Round table discussion (cont'd)

Coffee break as needed

Thursday, 29 August

09:00 - 12:30 Round Table Discussion

Coffee break as needed

12:30 – 14:00 Lunch

14:00 – 17:30 Round table discussion (cont'd)

Coffee break as needed

Friday, 30 August

09:00 - 13:00 Drafting of the meeting summary report

Coffee and lunch break(s) in between

13:00 Closing of the meeting