



**“2nd Research Coordination Meeting  
of the CRP on Beta-Delayed Neutron Emission”**

IAEA Headquarters, Vienna, Austria  
23-27 March 2015  
Meeting Room MOE75

**ADOPTED AGENDA**

**Monday, 23 March**

**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)**

“A comprehensive approach to determine delayed-neutron data - mass yield measurement, calculations of independent yield, decay heat and delayed neutrons: Progress Report”

*S. Chiba, Tokyo Inst. of Technology*

“Theoretical calculations of beta-delayed neutrons and sensitivity analyses”

*F. Minato, Japan Atomic Energy Agency*

“Beta-delayed neutron emission near the shell-closures”

*I. Borzov, RNC Kurchatov Institute*

“Large scale evaluation of beta-decay rates of r-process nuclei”

*T. Marketin, Univ. Zagreb*

*Coffee break as needed*

**12:10 – 14:00**     **Lunch**

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

“Update on bdn-relevant proposals and experiments (ORNL, RIKEN, TRIUMF) and recently evaluated data”

*K. Rykaczewski, Oak Ridge National Laboratory*

Progress Report of the Valencia group activities, *J. Tain, IFIC-Univ. Valencia*

“Nuclear structure insights from Pn measurements”

*A. Algora, IFIC-Univ. Valencia (15')*

“Update on GRIFFIN and DESCANT and bDN measurements via gamma-ray spectroscopy”

*P. Garrett, U. of Guelph (30')*

Pn value measurements with EURICA, *G. Lorusso, NPL*

*Coffee break as needed*

**Tuesday, 24 March**

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

"Completed compilation and evaluation of Pn and half-lives for Z=2-28 region nuclei" + a few words about Z>29 nuclei,

*B. Singh, McMaster University*

“Progress report of IAEA project on beta-delayed neutron emission”

*K. Banerjee, VECC (30')*

“Nuclear Astrophysics and beta-delayed neutrons”

*I. Dillmann, TRIUMF*

“Visualizing beta-delayed neutron emission”

*S. Ciccone, McMaster Univ. (30')*

“bDN database + CONNECT PLATFORM”

*P. Dimitriou-M. Verpelli (IAEA)*

*Coffee break as needed*

**12:30 – 14:00 Lunch**

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

“Verification of the evaluated fission product yields data from the neutron-induced fission of  $^{235}\text{U}$ ,  $^{238}\text{U}$  and  $^{239}\text{Pu}$  based on the beta-delayed neutron characteristics” (25’)

“High-resolution measurements of aggregate delayed neutron spectra in different time intervals from neutron-induced fission of  $^{235}\text{U}$  (Comparison with data obtained by summation calculation) (25’)

*V. Piksaikin, Institute of Physics and Power Engineering*

“Beta delayed neutron data and reactor calculations”

*D. Cano-Ott, CIEMAT Madrid*

“Delayed neutron calculations using available evaluated files and study of the components to identify important delayed neutron emitters for reactor applications”

*R. Mills, National Nuclear Laboratory*

“Synergy btw antineutrino spectra and beta-delayed neutron emission-Report of the Nantes group”, *M. Fallot, SUBATECH-Univ. Nantes*

“Beta delayed neutron covariances”,

*A. Sonzogni, BNL*

*Coffee break as needed*

**Wednesday, 25 March**

**09:00 - 12:30 Round Table Discussion**

*Coffee break as needed*

**12:30 – 14:00 Lunch**

**14:00 – 14:40** “Gamow-Teller Beta-decays in nuclei beyond  $N>50$ ”,

*R. Grzywacz, Univ. Tennessee (40’)*

“bDN Pn and spectra in EXFOR database”, *V. Semkova (10’)*

**14:40 – 18:00 Round Table Discussion (cont'd)**

*Coffee break as needed*

***Dinner at local restaurant (19:00)***

