



**“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}U , ^{238}U and ^{239}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}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)

