Consultants' Meeting on

"Compensating Effects due to Nuclear Reaction and Material Cross Correlations in Integral Benchmarks"

IAEA Headquarters, Vienna, Austria
28 September – 1 October 2015
Meeting Room MOE60

Preliminary AGENDA

Monday, 28 September

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

09:30 - 10:15   **Opening Session**

Welcoming address and Introduction – Arjan Koning (IAEA-NDS Section Head)
Election of Chairman and Rapporteur
Adoption of Agenda
Administrative matters

10:15 - 12:30   **Presentations by participants (about 45 min each)**

1. A. Trkov: Objectives of the CM on Compensating Effects due to Nuclear Reaction and Material Cross Correlations

2. D. Bernard: Decompensating effects in Nuclear Data integral benchmarking: how to tag a specific XS ? Example of 238U(n,n') and 235U (or 239Pu) PFNS

Coffee break as needed

12:30 – 14:00   *Lunch*

14:00 – 17:30   **Presentations by participants (cont'd)**

3. O. Cabellos: NEA Activities and NEA Tools: A Bayesian Approach for Compensating Effects and Analysis of k_{eff} Sensitivity Profiles

4. I. Hill: (Included in the presentation by O. Cabellos)

5. A. Trkov: On the Compensating Effects in the Evaluated Cross Sections of ^{235}U

Coffee break as needed

Tuesday, 29 September

09:00 - 12:30   **Presentations by participants (cont'd)**

6. A. Kahler: LANL Experience using ICSBEP Benchmarks for Cross Section Data Testing
7. Go Chiba:
   a. Sensitivity analysis of CIELO test files for fast neutron systems
   b. Exercise of nuclear data adjustment with fast neutron systems
   c. Application of sub-space method for nuclear data validation
8. Liu Ping: Benchmarks for Data Testing of Iron

Coffee break as needed

12:30 – 14:00   Lunch

14:00 – 17:30   **Presentations by participants (cont'd)**

9. V. Pronyaev: Uncertainties of the Evaluated Nuclear Data and Compensation Effects in the Criticality
10. C. Lubitz: Compensating Effects in O16 and U235 (Cancelled)

15:30 - 17:30   **Round Table Discussion**

Coffee break as needed

Wednesday, 30 September

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

- Strategy for dealing with compensating effects
- Use of sensitivities to identify suitable benchmarks
- Can a common list of suitable benchmarks be produced?

Coffee break as needed

12:30 – 14:00   Lunch

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

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Coffee break as needed

Thursday, 1 October

09:00 - 17:00   **Drafting of the summary report**

Coffee and lunch break(s) in between

17:00   **Closing of the meeting**