

# Final Agenda of the 6<sup>th</sup> meeting of WPEC Subgroup 33

NEA, Issy-les-Moulineaux, France  
1 December 2011

14:15 – 14:30

## Introduction

Welcome, approval of agenda, action items from last meeting. (M. Salvatores)

1. 14:30 – 14:50

## Further comments on adjustment methodology and cross section covariance matrix, if any

2. 14:50 - 15:10

## WPNCS Expert Group on Uncertainty Analyses for Criticality Safety Assessment

T. Ivanova (IRSN) Overview of the progress made at the WPNCS

3. 15:10 -16:00

## Experiment analysis. New results

It is expected that all the Subgroup members present their C/E (e.g. based on the simplified MCNP or deterministic models and the correction factors distributed by G. Palmiotti). ***Please remember that this is the minimum contribution expected from each member.***

S. Pelloni (PSI): C/E-values for the proposed benchmark using ERANOS in conjunction with different data libraries.

16:00-16:20 Coffee break

4. 16:20 – 17:20

## Update on integral experiment covariance matrix (draft report) and correction factors. Discussion (Lead M. Ishikawa and G. Palmiotti)

Under this item, it is expected to discuss members' comments on the report draft by M. Ishikawa: "Appendix A: How to Determine Error Matrix of Integral Data"

2 December 2011

5. 8:45 – 10:10

**Uncertainty analysis. New results**

- S. Pelloni (PSI): Data uncertainty analysis for the proposed benchmark exercise using ERANOS by comparing COMMARA-2.0 and BOLNA covariance libraries
- I. Kodeli (IJS): S/U analysis of selected benchmarks and COMMARA.2 processing with ANGELO code
- M. Ishikawa (JAEA): Comparison of Adjustment Results Using Covariances of JENDL-4.0 and COMMARA 2.0

6. 10:10 – 12:30

**Phase I of the benchmark adjustment exercise. Results and discussion on lessons learned**

- Status of ANL adjustment
- Status of CEA Activities in SG33
- Adjustment results based on ENDF/B-VII and COMMARA 2.0 (INL, G. Palmiotti)

Under this item, we could also discuss:

- How to compare results of the different adjustments: the number of parameters is in principle very large and we should propose practical approaches (e.g. select specific important data, as U-238 inelastic, Pu-239 fission etc.)
- Role of anti-correlations in the adjustment and their interpretations
- Possible need of a kind of “stress” tests on the adjustment methods (e.g. including a few experiments where very large C/E are expected, maybe experiments with very large iron or SS content as ZPR6/10 (Pu/C/SS) or ZPR9/34 (U/Fe))

12:30 – 14:00

Lunch Break

7. 14:00 – 15:30

**Discussion on next steps.**

Next steps (e.g. use of unique set of covariance data), schedule, reporting to WPEC and next meeting (All)

Summary Record of the 5<sup>th</sup> Meeting of the WPEC Subgroup 33 on  
Methods and issues for the combined use  
of integral experiments and covariance data

NEA, Issy-les-Moulineaux, France

11 May 2011

## Actions

1. E. Dupont, All: To compile a list of the most useful references related to S/U methods.
2. G. Palmiotti: To update ZPPR9 corrective factors taking into account specific modelling difficulties of Na void calculations.
3. All: To complete, by September 2011, the phase I of the benchmark adjustment exercise and distribute the data in the agreed format. All Sg33 members should provide at least the integral C/E values calculated with their own data library.
4. E. Dupont: To collect input/output data from the phase I benchmark and prepare them for comparison.
5. E. Dupont: To update the subgroup web page with materials from this meeting and other participant contributions.