



Third Research Coordination Meeting (RCM-3) of the IAEA CRP F44003

“Primary Radiation Damage Cross Sections”

23 October - 25 October 2017
IAEA Headquarters, Vienna, Austria
Meeting Room A 0407

AGENDA

(Presentation time has been fixed to 45 mn; it also includes questions)

Monday, October 23rd

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

09:30 - 10:00 **Opening**

Welcome address – **A. Koning** (NDS, Head)

Election of Chairperson and Rapporteur - Approval of Agenda - **All**

Administrative announcements – **A. Oechs**

Objectives of the 3rd RCM – **J.-Ch. Sublet** (NDS, Unit Head)

Session 1: Individual Presentations of performed Researches

10:00 - 10:45 Atomic displacement cross-sections for the neutron irradiation of materials from Li to U calculated on the basis of the arc-dpa approach, Alexander Konobeev, KIT

10:45 - 11:30 Primary damage features in alpha- and beta-Zirconium, Nikolai Lazarev, KIPT

12:00 - 13:30 Lunch break + Administrative issues

13:30 – 14:15 Comparative study for radiation damage data using the PHITS event generator mode and data processing code NJOY2012, Yosuke Iwamoto, JAEA

14:15 – 15:00 The Influence of Transmutation and Gas Production on Radiation Damage, Larry Greenwood, PNNL

15:00 – 15:45 Damage Cross Sections and Uncertainties for Natural Iron, Stanislav Simakov, KIT

Coffee break as and when needed

- 15:45 – 16:30 Methodology for Intercomparison of Irradiation experiments,
Fernando Mota García, CIEMAT
- 16:30 – 17:15 Uncertainty Characterization of Various Radiation Metrics Used to Describe
Damage in Silicon Semiconductors, Patrick J. Griffin, SANDIA
- 17:15 – 18:00 Estimation of primary damage production in materials for fission and fusion
applications, David Simeone, CEA

Tuesday, October 24th

- 9:00 – 09:45 Improved damage parameter uncertainties by treating nuclear reaction model
defects, Petter Helgesson, UPPSALA University
- 9:45 – 10:30 Current Status of NJOY Modernization,
Jeremy Conlin, LANL
- 10:30 – 11:15 Contributions to integral dpa from per-channel evaluations with SPECTRA-PKA,
Mark Gilbert, UKAEA
- 11:15 - 12:00 Primary damage in Fe and W: impact of radiation induced precipitates,
Dmitry Terentyev, SCK
- 12:00 - 13:30 *Lunch break*
- 13:30 – 14:15 Measurement of (n, α) cross section for some structural material isotopes,
Ivan Bondarenko, IPPE.
- 14:15 - 15:00 TENDL-2017: improved damage metrics and possible cross-isotope correlations,
Dimitri-Alexandre Rochman, PSI
- 15:00 - 15:45 The perspectives from Material Sciences,
Christian Hill, IAEA
- 15:45 - 16:30 SMoRE-II campaign,
Ian Peter Swainson, IAEA

**19:15 Hospitality event in the restaurant ef16,
Fleischmarkt 16, 1010 Wien**

Wednesday, October 25th**Session 2: Drafting of the summary report of the meeting, final report of the CRP**

9:00 – 12:00

12:00 - 13:30 *Lunch break*

13:30 - 17:30