

3rd International Workshop On Nuclear Data Evaluation for Reactor applications

WONDER 2012



September 25th – September 28th, 2012 Aquabella hôtel - Aix-en-Provence, France

Preliminary Program

12.00 - 14.15	Lunch (buffet) + Registration	
14.15 - 14.30	Welcome	
Session: Microscopic and integral nuclear data measurements (Chairwoman: Beatriz JURADO)		
14.30 - 15.00 15.00 - 15.30 15.30 - 16.00	 Carlos CARRAPIÇO, Simultaneous measurement of the capture and fission 233U cross section using the Calorimetric Shape Decomposition method Carlos GUERRERO, Neutron capture and fission reactions on 235U: cross sections, alpha-ratios and prompt gamma-ray emission from fission Diane DORE, Fission Fragment characterization with FALSTAFF at NFS 	
16.00 - 16.30	Coffee break	
Session: Microscopic and integral nuclear data measurements (cont.) (Chairman: Olivier SEROT)		
16.30 - 17.00 17.00 - 17.30 17.30 - 18.00	 Charlotte AMOUROUX, Measurement of the fission mass yields of 241Am(2nth,f) at the Lohengrin mass spectrometer Gregoire KESSEDJIAN, Development of a Gas Filled Magnet spectrometer coupled with the ILL Lohengrin spectrometer for fission studies Beatriz JURADO, Neutron-induced capture cross sections of actinides via the surrogate-reaction method 	

Session: Microscopic and integral nuclear data measurements (cont.) (Chairman: Gilles NOGUERE)	
9.00 - 9.30 9.30 - 10.00	 Christos LAMPOUDIS, Neutron transmission and capture of 241Am from thermal up to 100 eV Maëlle KERVENO, (n,xn g) reaction cross section measurements for (n,xn) reaction studies
Session: Evaluation of nuclear data (Chairman: Luiz LEAL)	
10.00 - 10.30	 Federica EMILIANI, Evaluation of stable tungsten isotopes in the resolved resonance region
10.30 - 11.00	Coffee break
11.00 - 11.30 11.30 - 11.50 11.50 - 12.10	 Stefan KOPECKY, Recent evaluations in the resolved and unresolved resonance region done at IRMM Olivier LITAIZE, Validation of the Nuclear Data Evaluation code CONRAD Pascal ARCHIER, Recent Developments in the CONRAD Code regarding Experimental Corrections
12.15 - 14.00	Lunch

Session: Evaluation of nuclear data (cont.) (Chairman: Cyrille DE SAINT JEAN)	
14.30 - 15.00	 Jose Manuel QUESADA MOLINA, A Lane consistent optical model potential for nucleon induced reactions on 238U and 232Th nuclei with full coupling
Session: Uncertainties and covariance matrices (Chairman: Cyrille DE SAINT JEAN)	
15.00 - 15.30 15.30 - 16.00	 Amalia CHAMBON, Needs of nuclear data and covariance matrices for Burnup Credit fission products in JEFF-3.1.1 library Suzanne VARET, Pseudo-measure simulations and bootstrap for the experimental cross-section covariances estimation with quality quantification
16.00 -16.30	Coffee break
16.30 - 17.00	• Jean-Christophe BENOIT, CYRUS : a code dedicated to the analysis of decay heat uncertainties

Session: Processing and benchmarking (Chairman: Skip KAHLER)		
9.00 - 9.30	Claire VAGLIO-GAUDARD, First feedback with the ANMON integral experiment for the UID calculations	
9.30 - 10.00	• Gregory PERRET,	
10.00 - 10.30	 Reanalysis of spectral indices measurements in the gas-cooled fast reactor experiments at PROTEUS facility Lou Sai LEONG, Criticality experiments for validation of cross sections: the neptunium case 	
10.30 - 11.00	Coffee break	
Session: Processing and benchmarking (cont.) (Chairman: Robert JACQMIN)		
11.00 - 11.30	• A. C. (Skip) KAHLER,	
11.30 - 12.00	• Yannick PENELIAU,	
12.00 - 12.30	Reactivity effect breakdown calculations with deterministic and stochastic perturbations analysis - JEFF-3.1.1 to JEFF3.2T1 (BRC-2009) actinides application • <i>Gilles NOGUERE,</i> Improved MOX fuel calculations using new Pu-239, Pu240 and Am-241 evaluations	
12.30 -14.00	Lunch	

Session: Gamma Production (Chairman: Olivier LITAIZE)		
14.00 - 14.30 14.30 - 15.00 15.00 - 15.30	 Anne-Cécile COLOMBIER, Nuclear Data Production, Calculation and Measurement: a Global Overview of the Gamma Heating Issue Simon RAVAUX, New evaluations of photon production for JEFF3 David REGNIER, A Monte Carlo Simulation of Prompt Gamma Emission from Fission Fragments 	
Session: Fission modeling (Chairman: Olivier LITAIZE)		
15.30 - 16.00	• Karl-Heinz SCHMIDT (presented by B. Jurado) Modeling the widths of fission observables in GEF	
16.00 - 16.30	Coffee break	
16.30 - 20.00	Free Afternoon	
20.00 -	Workshop Dinner at the restaurant 'La madeleine' in Aix-en-Provence	

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ession: Fission modeling (cont.) Chairman: Anabella TUDORA)		
9.00 - 9.30 9.30 - 10.00 10.00 - 10.30	 Olivier Henri BOULAND, Class-II Width Fluctuation Factor under Intermediate Structure Specific Modes; Consequences on Average Fission Cross Section Calculations Mihail MIREA, Intrinsic Energy Partition in Fission Herbert FAUST, Evaluation of spin distributions in fission fragments using the statistical model 	
0.30 - 11.00	Coffee break	
Session: Fission modeling (cont.) (Chairman: Herbert FAUST)		
1.00 - 11.30 1.30 - 12.00	 Anabella TUDORA, Sub-barrier resonance fission and its effects on fission fragment properties Stefano PANEBIANCO, SPY: a microscopic statistical scission-point model to predict fission fragment distributions 	
2.30 - 14.00	End of the Workshop and Lunch	

Poster Session

- Carlos GUERRERO, Review of the n_TOF experimental program for Reactor Applications
- Igor KADENKO, Study of (n,α) reaction cross sections on Tb through Lu at En~14 MeV
- Vladimir KOSHCHEEV, Testing of Neutron Data for Fe, Cr, Ni based on Integral Experiments
- Vladimir KOSHCHEEV, Verification of Neutron Data for Main Reactor Materials from RUSFOND Library based on Integral Experiments
- *Massimo PESCARINI*, Processing and Validation of JEFF-3.1.1 and ENDF/B-VII.0 Group-Wise Cross Section Libraries for Shielding Calculations
- Sushil SHARMA, Spallation models and comparison between their predictive power
- Anton PEREGUDOV, Application of GRS Method to Evaluation of Uncertainties of Calculation Parameters of Perspective Sodium-Cooled Fast Reactor
- Anabella TUDORA, Model description of experimental total average prompt neutron multiplicity as a function of total kinetic energy
- Suzanne VARET, Kriging approach for the experimental cross-section covariances estimation