

# Joint CHANDA-JEFF Workshop on NUCLEAR DATA MEASUREMENTS

## Agenda

**NEA Nuclear Data Week**

**April 27-30, 2015**

**Amphitéâtre Marie Curie  
(Institut Curie Main Entrance)**  
11, Rue Pierre et Marie Curie  
75005 Paris  
France

[www.oecd-nea.org/dbdata/meetings/april2015](http://www.oecd-nea.org/dbdata/meetings/april2015)

### Organizing Committee

E. Gonzalez Romero (CIEMAT, CHANDA)  
R. Jacqmin (CEA, JEFF)  
M. Kerveno (CNRS, IPHC)  
F. Michel-Sendis (OECD-NEA)  
A. Plompen (EC-JRC/IRMM)

All presentations and discussions shall be held in English. Note that allocated time may vary from one presentation to another.

## Monday 27 April 2015

Participants are asked to arrive at the Marie Curie Amphitheatre at 8:50 am at the latest.

Time	Speaker	Topic
9:00	A. Plompen	Introduction to the joint scientific-technical CHANDA– JEFF Nuclear Data Week
9:10	E. Gonzalez Romero	Introduction to CHANDA
9:40	R. Jacqmin	Introduction to JEFF
9:50	F. Michel-Sendis	JEFF and horizontal Nuclear Data activities at NEA
10:10	G. Sibbens	Target preparation within CHANDA WP3
10:30	D. Schumann	Contribution of PSI to WP3
10:50	Coffee break	
11:10	F.J. Hambsch	Introduction to the CHANDA Transnational Access Program
11:30	F. Gunsing	Support to NFS and n_TOF equipment (status of WP7)
11:50	N. Colonna	Challenging fission measurements at EAR2 @ n_TOF. New C <sub>6</sub> D <sub>6</sub> detectors for capture measurements
12:10	A. Tsinganis	Measurement of the <sup>240</sup> Pu(n,f) cross-section at n_TOF EAR-2
12:30	Lunch	
14:00	A. Junghans	Time of flight measurements at the new nELBE facility
14:20	P. Salvador Castaneira	Neutron production facilities at the National Physical Laboratory, London, UK
14:40	S. Oberstedt	A surrogate-reaction based method to determine neutron-induced reaction cross-sections
15:00	A. Chatillon	Experimental measurement of isotopic fission yields using relativistic inverse kinematics
15:20	H. Penttila	Neutron induced fission yield measurements at IGISOL
15:40	M. Fleming	Validation of FISPACT-II Decay Heat Predictions for LWR Spent Fuel
16:00	Coffee break	
16:20	C.J. Díez	Development of a new Nuclear Data Evaluation Cycle at NEA Data Bank
16:40	J. Dyrda	Development of a new Nuclear Data Sensitivity tool at NEA
17:00	M. Kellett	Production of the new JEFF-3.2 Decay Data Library
17:20	R. Mills	Development and testing of the new JEFF-3.2 Fission Yields Library
17:40	K.H. Schmidt	Modeling and evaluation of fission quantities with GEF
18:00	O. Litaize	FIFRELIN, a tool for the study of fission observables
18:20	End of first day	

**Tuesday 28 April 2015**

*Participants are asked to arrive at the Marie Curie Amphitheatre at 8:50 am at the latest.*

Time	Speaker	Topic
9:00	L. Mathieu	Investigation of systematic uncertainties associated to cross sections normalization with respect to (n,p) elastic cross section
9:20	S. Pomp	Status of Medley @ NFS
9:40	G. Kessedjian	Development of an isobaric beam at ILL for fission and decay heat measurements
10:00	F. Farget	Isotopic Fission Yields from Compound Nuclei Produced in Transfer Reaction
10:20	L. Fiorito	Generation of fission yield covariances to correct discrepancies in the JEFF fission yield library
10:40	N. Terranova	Covariance Matrix Evaluation for Independent Fission Yields
11:00	Coffee break	
11:20	O. Cabellos	UPM contributions to CHANDA WP9
11:40	S. Pomp	Merging TALYS and GEF for fission yield calculations
12:00	R. Mills	Uncertainties in fission yields and application to the fuel cycle and decay heat
12:20	Lunch	
14:00	S. Leray	An introduction to WP11 assessing uncertainties for the MYRRHA target
14:20	A. Stankovskiy	WP11 Progress from SCK-CEN
14:40	A. Ferrari	FLUKA calculations for MYRRHA
15:00	D. Schumann	Contribution of PSI to WP11
15:20	J. Benlliure	Advanced techniques for spallation and fission reactions
15:40	A. Stankovskiy	SCK-CEN contribution to Task 10.1
16:00	Coffee break	
16:20	P. Romojaro Otero	Sensitivity and Uncertainty analysis of nuclear data for MYRRHA
16:40	I. Kodeli	Beta-eff sensitivity and uncertainty analysis of MYRRHA
17:00	U. Fischer	Overview of fusion activities related to JEFF
17:20	M. Angelone	Overview of experimental activities (F4E grant)
17:40	A. Konobeev	Evaluation of gas production data for nuclides from Z=12 to Z=83
18:00	R. Perel	MCSSEN Sensitivity/Uncertainty analyses for Cu experiment
18:20	H. Leeb	Evaluation Technique for Light Nuclei
18:40	<b>End of second day</b>	
19:00	Buffet Dinner served at Institut Curie (Green Café)	

## Wednesday 29 April 2015

*Participants are asked to arrive at the Marie Curie Amphitheatre at 8:50 am at the latest.*

Time	Speaker	Topic
9:00	J.L. Tain	Beta delayed neutron yield measurements for reactor technology
9:20	A. Porta	Total Absorption Spectroscopy measurements of nuclei interesting for reactor antineutrino spectra and decay heat calculations
9:40	A. Algora	Total Absorption Measurements for reactor applications
10:00	D. Cano	Neutron capture cross section measurements of fissile materials
10:20	M. Lebois	Study of prompt neutron/gamma emission in fission with LICORNE
10:40	S. Schmidt	Neutron time-of-flight and energy relation for thick and thin Li-glass detectors
11:00	Coffee break	
11:20	G. Zerovnik	Determination of $^{241}\text{Am}/^{237}\text{Np}$ capture cross section at 2200 m/s from measurements with cold neutrons
11:40	P. Leconte	Am and Tc pile-oscillation experiments
12:00	P. Leconte	An integral experiment for $\text{U238}(n,n')$ validation at CALIBAN
12:20	Lunch	
14:00	G. Belier	Preliminary results from the SOFIA-2 experiment
14:20	G. Henning	New setup for measuring $(n,xn)$ cross sections (task8.3)
14:40	C. Borcea	Technical developments for neutron inelastic cross section measurements
15:00	M. Dietz	Angular distribution of gamma-rays from inelastic scattering
15:20	P. Chudoba	Study of $(n,xn)$ reactions on various materials
15:40	M. Ripani	New infrastructure for studies of transmutation and fast systems concepts
16:00	Coffee break	
16:20	A. Koning	Monte Carlo Uncertainties
16:40	C. de Saint Jean	On the use of Monte Carlo for resonance parameter evaluation
17:00	D. Rochman	Uncertainty treatment with CASMO : PSI point of view
17:20	G. Schnabel	Large scale Bayesian nuclear data evaluation with consistent model defects
17:40	Closing of joint CHANDA-JEFF meeting	
18:00 - 20:00	CHANDA Governing Board Meeting* (Invitation only)	