

Decay Data Evaluation Project

Workshop

Monday 8th to Wednesday 10th October 2012

“Laboratoire National de Métrologie et d’Essais (LNE)”, 1 rue Gaston Boissier, 75015 Paris

AGENDA

Monday 8 th October			
Introductory Session			
09:30	09:40	Welcome to LNE	M. Chambon
09:40	09:50	Introduction	M.-M. Bé
09:50	10:10	Presentation of LNE/LNHB	B. Chauvenet
10:10	10:40	DDEP Activities 2010-2012	F.G. Kondev
10:40	11:00	<i>Coffee break</i>	
International Collaboration			
11:00	11:20	ENSDF – Status and future plans	J.K. Tuli
11:20	11:50	XUNDL – Status and future plans	B. Singh
11:50	12:30	Status of international collaboration initiatives: EURAMET/EU, IAEA, ...	M.-M. Bé, M.-C. Lépy, A. Luca, <i>et al.</i>
12:30	14:00	<i>Lunch</i>	
14:00	14:30	The BIPM and the International Reference System (SIR) for activity measurements	G. Ratel
Atomic Data			
14:30	15:00	Measurement of X-ray data at LNHB	M.-C. Lépy
15:00	15:20	Development of a code for calculating atomic radiation	T. Kibédi
15:20	15:40	Sources of atomic data (BrIcc, Schönfeld, EADL, ...)	Discussion – All
		Comparing calculated and measured data	
15:40	16:00	<i>Coffee Break</i>	
Determination of β spectral shape			
16:00	16:25	Calculation of β spectral shape	X. Mougeot
16:25	16:50	Measurement of β spectral shape	C. Bisch
16:55	17:30	Dealing with unknown β transitions and calculating average energies (use of <i>BETASHAPE</i> , <i>logft</i> , <i>RADLST</i> or other codes)	Discussion – All
17:30	Close of Day		

Tuesday 9 th October			
Applications and Measurements			
09:30	10:00	Determination of γ -ray transition probabilities and decay branching fractions from neutron capture data – EGAF	R.B. Firestone
10:00	10:20	Astrophysical decay data	V.P. Chechev
10:20	10:40	Atomic Mass Evaluation 2012	G. Audi
10:40	11:00	<i>Coffee break</i>	
11:00	11:20	Renewed interest in delayed neutron data	B. Singh
DDEP Relevant Software			
11:20	11:35	Software and website development at LNHB	C. Dulieu
11:35	12:30	User feedback on SAISINUC, or “What SAISINUC can (or can’t) do for me!”, e.g. consistency checks, level schemes, automatic data entry (level scheme and references), output formats: ASCII, ENSDF. Maintenance, use, development and integration of auxiliary software (ENSDF codes, e.g. <i>logft</i> , <i>GABS</i> ; <i>Brlcc</i> ; <i>EMISSION</i> ; <i>LWEIGHT</i> ; etc.)	Q & A Session/ Discussion – All <i>(Based on feedback/examples provided by evaluators)</i>
12:30	14:00	<i>Lunch</i>	
DDEP Collaboration			
14:00	14:15	Submission and review of evaluations	M.-M. Bé
14:15	15:30	The DDEP evaluation and review process. <i>Completeness of DDEP evaluations: What is missing? Who is using our data? What do they require?</i>	Discussion – All
15:30	15:50	<i>Coffee break</i>	
DDEP Evaluation Techniques			
15:50	16:10	An interactive tool for averaging numbers	B. Singh
16:10	16:20	Comment on the decay of ⁴⁰ K	B. Singh
16:10	17:30	Possible points for discussion: Problems encountered during an evaluation; Dealing with “unreliable” data; Increasing of uncertainties; Objective vs subjective; Dealing with incomplete decay schemes; Balancing decay schemes; Dealing with inconsistent datasets	Discussion – All <i>(Based on feedback/examples provided by evaluators)</i>
17:30	Close of Day		
19:30	Dinner at the restaurant “Les Vendanges”, 40 rue Friant, 75014 Paris		

Wednesday 10th October

Publication and Status of Evaluations			
09:30	10:00	The <i>BIPM-5 Monographie</i> series Nuclei evaluation status: required/in-progress, priorities	M.-M. Bé
10:00	10:15	IAEA publication of the <i>Updated Decay Data Library for Actinides CRP</i>	M.A. Kellett
10:15	10:35	IAEA's Commitment to Nuclear Structure and Decay Data	P. Demetriou
10:35	10:40	Publication of evaluations in the open literature – difficulties & successes	Discussion – All
10:40	11:00	Coffee break	
Manpower, Collaboration & Funding			
11:00	11:15	Status of support/manpower in each laboratory	Participant statements Discussion – All
11:15	11:30	Sources of funding – International/EU collaboration	Participant statements Discussion – All
Outlook for the DDEP Collaboration			
11:30	11:50	Thoughts on the outlook, future and working principles of the DDEP	Participant statements Discussion – All
11:50	12:30	Related questions and remarks	Discussion – All
12:30	14:00	Lunch	
Closing Session			
14:00	15:00	Roundtable: Participant feedback	Discussion – All
15:00		Close of the Workshop	