

Minutes of SG-C Meeting OECD Headquarters, Paris, 16 May 2018

Participants: Y. Danon, C. De Saint Jean, E. Dupont, M. Fleming, O. Iwamoto, N. Iwamoto, R. Jacqmin, A. Negret, D. Neudecker, C. Percher, A. Plompen, Xichao Ruan, H. Sjöstrand, S. Simakov, V. Sobes, A. Trkov, M. White, Haicheng Wu

SG-C membership was reviewed and N. Iwamoto was introduced as JENDL representative (replacing H. Harada).

The NEA mailing lists “wpec-sgc” and “hpri”, used by SG-C respectively for internal discussions and for communication with the nuclear data community, were presented as well as recent and forthcoming updates to the HPRL website. The technical support from NEA for these tools is acknowledged.

The rationale for the HPRL is reminded to participants as well as the SG-C working procedure to process new requests and to monitor follow-up. The different categories for entry status are proposed and discussed keeping in mind the possible impact on activities when decided to close an entry. The working document compiling all entry-related publications and currently achieved evaluated uncertainties is reviewed and a status category is proposed for every HPRL entry (see appendix).

Additional possible entries are briefly discussed and the review procedure will be finalized by email.

The current mandate runs from June 2016 to June 2018 and a request for a two-year extension is proposed with minimal changes to the mandate, which was rewritten in a very generic way two years ago. The proposed deliverables are a publication summarizing the SG-C review of activities related to HPRL entries, and an up-to-date online version of the list.

The next meeting will be organised at OECD or NEA HQ during the next WPEC week, June 24-28, 2019 (to be confirmed by NEA).

Tentative schedule and actions (including the ones from WPEC meeting)

- All (standing action): stay in touch with end-users with the aim to formalise new requests
- ENDF delegates in SG-C and WPEC (ASAP): investigate the possibility to nominate a user representative in SG-C
- All (standing action): inform NEA-E. Dupont of any necessary update in the list of publications and activities related to HPRL entries
- NEA-E. Dupont (every few months): update the online list of publications and activities, and inform SG-C members
- NEA (ASAP): add to the “wpec-sgc” mailing list N. Iwamoto (as JENDL representative), Haicheng Wu (as CENDL representative), M. Fleming (as NEA representative), and V. Sobes (as observer and SG44 coordinator)

2018 June-July

- NEA: Update the list of official SG-C members on the HPRL webpage, upload slides and release a formal summary record of the meeting.
- NEA-A. Plompen: finalise the procedure for mandate extension and upload the mandate after approval by NSC
- NEA-E. Dupont: upload the list of publications and activities in HPRL entries
- NEA-E. Dupont: split the SPQ webpage into “SPQ-dosimetry” and “SPQ-standards”, and move request ID43 to the “SPQ-standards” category

- NEA-E.Dupont: discuss addition of the database fields “Status” and “Status date” to be implemented by September
- E.Dupont: contact requesters to confirm entry status proposed by SG-C at this meeting, especially for “Completed” entries; update the request owner whenever necessary
- E.Dupont: finalise the review procedure of ^{239}Pu alpha xs ratio and ^{233}U nubar and update the old entries #11 (^{239}Pu) and #9 (^{233}U) accordingly
- E.Dupont: liaise with V. Sobes (SG44) to check whether users that requested improvement of some covariances may be interested to submit a new request in HPRL

2018 September-October

- NEA-E.Dupont: upload “Status” and “Status date” for all entries
- E.Dupont: circulate an abstract proposal for ND2019 on SG-C/HPRL activities

2018 November

- FYI, there is a planned SG46 meeting at NEA with first discussions on updated SG26 results using recent covariance data and up-to-date requirements for innovative systems; this meeting will be organized during the JEFF Week (date to be confirmed by NEA)
- E.Dupont: liaise with M.Salvatores and G.Palmiotti (SG46) for updating the status of “SG26 entries” and possibly adding new requests

2019

- E.Dupont: organize the publication summarizing the SG-C review of HPRL-related activities and outlook

2019 June

- Next SG-C meeting at OECD or NEA HQ in conjunction with other WPEC meetings, June 24-28, 2019 (to be confirmed by NEA)

Appendix – Table of entry status proposed during this meeting

ID	Quantity	Energy	Year	Requester	Status	Comment
1	$^{28}\text{Si}(n,np)$ cross section	12MeV- 20MeV	2005	E.Cheng	Completed	Check with U.Fischer
2	$^{16}\text{O}(n,a)$ cross section	2MeV- 20MeV	2005	A.Courcelle	In progress	
3	$^{239}\text{Pu}(n,f)$ PFGS	Thermal, Fast	2006	G.Rimpault	In progress	
4	$^{235}\text{U}(n,f)$ PFGS	Thermal, Fast	2006	G.Rimpault	In progress	
5	$^{\text{nat}}\text{Hf}(n,g)$ cross section	0.5eV- 5keV	2006	G.Noguère	Completed	Check with G.Noguère, I.Duhamel
6	$^{233}\text{U}(n,g)$ cross section	10keV- 1MeV	2006	G.Noguère	In progress	
7	$^{56}\text{Fe}(n,xn)$ xs/dA/dE	7MeV- 20MeV	2006	A.Koning	Completed	Check with A.Koning, S.Pomp
8	$^2\text{H}(n,el)$ xs/dA	100keV- 1MeV	2006	K.Kozier	In progress	Ask D.Roubtsov for ownership
9	$^{233}\text{U}(n,g)$ xs, nubar	Thermal- 10keV	2007	A.Bidaud	In progress	Move nubar to a new entry
10	$^{197}\text{Au}(n,tot)$ cross section	5keV- 200keV	2007	R.Capote	Completed	Status confirmed by requester
11	^{239}Pu alpha xs ratio	1meV- 1eV	2007	L.Leal	In progress	
12	$^{235}\text{U}(n,g)$ cross section	100eV- 1MeV	2007	Y.Nagaya	In progress	
13	$^{52}\text{Cr}(n,xd/t)$ cross section	Threshold- 65MeV	2007	R.Forrest	Completed	Check with U.Fischer, A.Trkov
14	$^{242}\text{Pu}(n,g/tot)$ cross section	0.5eV- 2keV	2007	G.Noguère	In progress	
15	$^{241}\text{Am}(n,g/tot)$ cross section	Thermal, Fast	2007	T.Nakagawa	In progress	New owner is O.Iwamoto
16	$^{243}\text{Am}(n,f)$ PFNS	Thermal- 10MeV	2007	T.Sasa	In progress	
17	$^{244}\text{Cm}(n,f)$ PFNS	Thermal- 10MeV	2007	T.Sasa	In progress	
18	$^{238}\text{U}(n,inl)$ cross section	65keV- 20MeV	2008	M.Salvatores	In progress	
19	$^{238}\text{Pu}(n,f)$ cross section	9keV- 6MeV	2008	M.Salvatores	In progress	
21	$^{241}\text{Am}(n,f)$ cross section	180keV- 20MeV	2008	M.Salvatores	In progress	
22	$^{242m}\text{Am}(n,f)$ cross section	0.5keV- 6MeV	2008	M.Salvatores	In progress	
25	$^{244}\text{Cm}(n,f)$ cross section	65keV- 6MeV	2008	M.Salvatores	In progress	
27	$^{245}\text{Cm}(n,f)$ cross section	0.5keV- 6MeV	2008	M.Salvatores	In progress	
29	$^{23}\text{Na}(n,inl)$ cross section	0.5MeV- 1.3MeV	2008	M.Salvatores	In progress	

ID	Quantity	Energy	Year	Requester	Status	Comment
32	$^{239}\text{Pu}(n,g)$ cross section	0.1eV- 1.35MeV	2008	M.Salvatores	In progress	
33	$^{241}\text{Pu}(n,g)$ cross section	0.1eV- 1.35MeV	2008	M.Salvatores	In progress	
34	$^{56}\text{Fe}(n,inl)$ cross section	800keV- 20MeV	2008	M.Salvatores	In progress	
35	$^{241}\text{Pu}(n,f)$ cross section	0.5eV- 1.35MeV	2008	M.Salvatores	In progress	
36	$^{238}\text{U}(n,g)$ cross section	20eV- 25keV	2008	M.Salvatores	Completed	Check with M.Salvatores
37	$^{240}\text{Pu}(n,f)$ cross section	0.5keV- 5MeV	2008	M.Salvatores	In progress	
38	$^{240}\text{Pu}(n,f)$ nubar	200keV- 2MeV	2008	M.Salvatores	In progress	
39	$^{242}\text{Pu}(n,f)$ cross section	200keV- 20MeV	2008	M.Salvatores	In progress	
40	$^{28}\text{Si}(n,inl)$ cross section	1.4MeV- 6MeV	2008	M.Salvatores	Completed	Check with M.Salvatores
41	$^{206}\text{Pb}(n,inl)$ cross section	0.5MeV- 6MeV	2008	M.Salvatores	Pending new eval./valid.	
42	$^{207}\text{Pb}(n,inl)$ cross section	0.5MeV- 6MeV	2008	M.Salvatores	Pending new eval./valid.	
43	$^1\text{H}(n,el)$ xs/dA	10MeV- 20MeV	2011	A.Carlson	In progress	Move this request to the new "SPQ- standards" category
44	$^{237}\text{Np}(n,f)$ cross section	200keV- 20MeV	2015	F.Tovesson	Completed	Check with F.Tovesson, L.Tassan Got
45	$^{39}\text{K}(n,p/np)$ cross section	10MeV- 20MeV	2017	S.Simakov	In progress	
46- 96	Dosimetry xs	PFNS, HE	2017	S.Simakov	In progress	
97- 98	$^{50,53}\text{Cr}(n,g)$ cross section	1keV- 100keV	2018	R.Capote	In progress	
99	$^{239}\text{Pu}(n,f)$ nubar	Thermal- 5eV	2018	R.Capote	In progress	
100- 101	$^{235,238}\text{U}(n,p,f)$ cross section	100MeV- 500MeV	2018	R.Capote	In progress	
102- 103	$^{155,157}\text{Gd}(n,g)$ cross section	Thermal- 100eV	2018	C.Massimi	Pending new eval./valid.	