

DE LA RECHERCHE À L'INDUSTRIE



# WPEC Subgroup C —— HPRL —— High Priority Request List for Nuclear Data

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

EG-HPRL (SG-C)

[www.cea.fr](http://www.cea.fr)



## ① Membership update

Expert members: experimentalists, evaluators, and (too few) users  
Representatives of nuclear data evaluation projects or countries

ENDF, USA: Y. Danon (RPI)

JEFF, NEA DB: E. Dupont (CEA,F), A. Plompen (EC-JRC-Geel), [G. Rimpault (CEA,F)],  
A.G. Smith (Univ. Manchester, UK), [and (TBC) D. Bernard (CEA,F)]

JENDL, Japan: O. Iwamoto (JAEA), N. Iwamoto (JAEA), T. Iwasaki (Tohoku),  
A. Kimura (JAEA)

BROND, Russia: V. Pronyaev (IPPE), V. Koscheev (IPPE)

CENDL, China: Zhigang Ge (CIAE), Xichao Ruan (CIAE), Sun Weili (IAPCM),  
Haicheng Wu (CIAE)

IAEA: R. Capote, A. Koning

Korea: Young-Ouk Lee (KAERI)

Romania: A. Negret (IFIN-HH)

NEA: M. Fleming



## ② Progress report – HPRL database/tools

Online HPRL hosted by NEA ([www.oecd-nea.org/dbdata/hpri](http://www.oecd-nea.org/dbdata/hpri))

Impact of the NEA website upgrade in October 2020

- Need to finalize the new official EG-HPRL webpages
- Need to migrate the HPRL database to CMS-based HPRL
  - CMS-based HPRL prototype under development by NEA IT

Work in progress... but the transition period should be as short as possible.

## ② Progress report – Follow-up of HPRL entries

Update of the list of publications related to HPRL entries

- Addition of a total of 14 references to about as many entries plus some dosimetry entries

Update in the entries status

- Pu-240 (n,f) xs
  - From “Work in progress” to “Pending new evaluation or validation”
- Na-23 (n,inel) xs
  - From “Pending new evaluation or validation” to “Completed”
- U-235 & Pu-239 PFGS
  - No change (“Pending new evaluation or validation”)
  - Request for complementary validation by the next meeting

## ② Progress report – New requests

No new request formally submitted since the last meeting

Request still in preparation for improving the quantification of the delivered therapeutic dose in proton beam therapy (R. Capote, IAEA)

- Gamma production ( $p, x \gamma$ ) on C-12, N-14, O-16
- Production of positron-emitters C-10,11, N-12,13, and O-15 in (p,x) reactions on C, N, O
- ➡ Possible new SPQ category on Medical Applications

New request in preparation for the IFMIF-DONES project (S. Simakov, KIT)

- d-induced production cross-sections of H-3 and Be-7 in Lithium

## ③ Chair replacement

Why?

- Time for new impulse after 5 years
- No spare time (main activities not related to application needs)

When?

- Right now or any suitable time before the end of 2021

There must be a new Chair early 2022

- To prepare the next mandate (2022-2024)
- To prepare the next meeting (2022)

Of course, ED still available to help the new Chair if needed