





Status Report of NSDD in CNDC

Huang Xiaolong China Nuclear Data Center China Institute of Atomic Energy email: huang@ciae.ac.cn



Huang Xiaolong: Major NSDD Liu Lilie: Temporary NSDD, major FY Wang Xianghan: graduate student



Mass chain A	Status	Evaluators
51	NDS,144,1(2017)	Wang Jimin, Huang Xiaolong
62	NDS, 113, 973 (2012)	Balraj, Huang Xiaolong, being evaluated
195	NDS, 121, 395 (2014)	Huang Xiaolong, Kang Mengxiao
196	NDS,108,1093(2007)	Huang Xiaolong, <mark>under review</mark>
197	NDS,104,283(2005)	Huang Xiaolong, Wang Jimin, Kang Mengxiao, under review
198	NDS,133,221(2016)	Huang Xiaolong, Kang Mengxiao

No evaluation in past year,

In this year, reviewed the evaluation of ⁸⁷Rb.

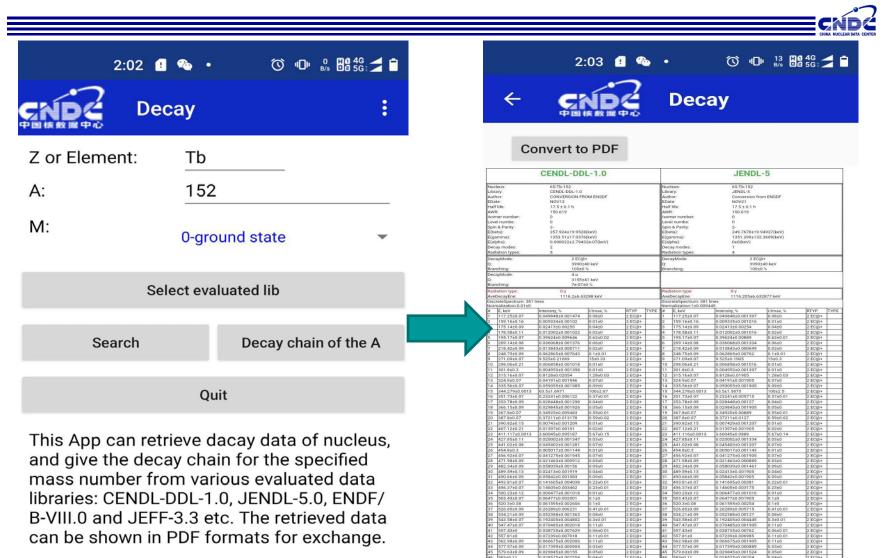
4. Radioactive Decay Data File: CENDL-DDL

- ✓ The first release CENDL-DDL included 2351 nuclei between A=66 to A=172 FY region. ENSDF and ENDF format were adopted. Evaluations taken from :
 - (1) CNDC+ Jilin Univ.: ~500 nuclei;
 - (2) DDEP: ~200 nuclei; (3) ENSDF: ~1500 nuclei;
 - (4)JEF3.2: ~150 nuclei (only for stable nuclei);
- The Q-values of the decay modes are updated to the Atomic Mass Evaluation (AME) released in 2021Wa16
- ✓ All $T_{1/2}$ are revised by new measurements(2022,6).

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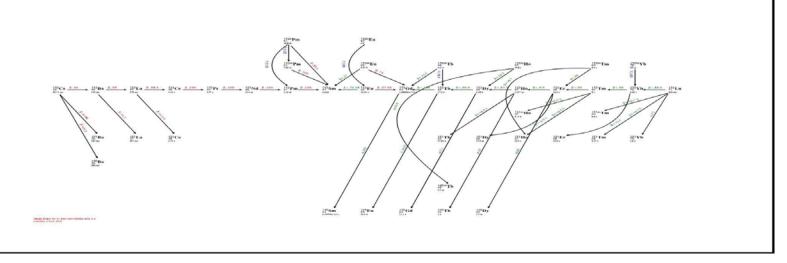
- ✓ Mean energies for β & γ : from TAGS measurements when available, otherwise from theoretical calculation. For eveneven nuclides, from theoretically analysis which employed QRPA approach in Jilin University.
- ✓ Beta-delayed n,p, α emitted are adopted: P_{1n}, P_{2n} from eva. of 2015Bi05, 2020Li32; P_{1p},P_{1 α} from eva. of 2020Ba07 when measurements available. Otherwise from systematics or theoretical calculation.

4. Decay App



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谢谢!