



Status Report of the Nuclear Structure and Decay Data Evaluation in CNDC

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1. Members



Huang Xiaolong: Major NSDD

Wang Jimin: Temporary NSDD, major EXFOR

Kang Mengxiao: Beijing occupational disease hospital.

2. Mass chain evaluation

Mass chain A	Status	Evaluators
51	NDS, 107, 2131 (2006)	Wang Jimin, Huang Xiaolong, post review
62	NDS, 113, 973 (2012)	B. Singh et al.
195	NDS, 121, 395 (2014)	Huang Xiaolong, Kang Mengxiao
196	NDS, 108, 1093 (2007)	Huang Xiaolong, being evaluated
197	NDS, 104, 283 (2005)	Huang Xiaolong, Wang Jimin, Kang Mengxiao, under review
198	NDS, 133, 221 (2016)	Huang Xiaolong, Kang Mengxiao

3. Decay data evaluation

● β -delayed neutron probability and half-life

The CNDC group has participated the IAEA-CRP for “Reference Database for Beta-Delayed Neutron Emission” and finished the evaluation of the Pn and $T_{1/2}$ for Z=51-57 regions.

●DDEP decay data evaluation

In recent 2 years, CNDC has updated the main decay data for ^{227}Th , ^{229}Th , ^{233}U .

4. Suggestion?

Expanding some functions in ENSDF analysis codes?

RADLIST: X-L, X-K α 1, X-K α 2, X-K β are available

For DDEP need more sub-shell: X-L α , X-K β 1, ...

谢谢！