



Status Report of Japanese Group for Nuclear Structure and Decay Data Evaluation

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Japan Atomic Energy Agency



Japanese group members

Hideki Iimura	Japan Atomic Energy Agency (group leader)
Yuichi Ichikawa	RIKEN
Masa-aki Kanbe	former affiliation: Tokyo City University
Jun-ichi Katakura	former affiliation: Nagaoka University of Technology
Susumu Ohya	former affiliation: Niigata University
Hiroyuki Koura	Japan Atomic Energy Agency.

Japanese group is authorized as a subgroup of JENDL committee.

Mass chains for which Japanese group is responsible

Mass	Last NDS Publication		Status
	Year	Evaluators	
120	2002	Kitao, Tendow, Hashizume	evaluating
121	2010	Ohya	
122	2007	Tamura	
123	2004	Ohya	other center
124	2008	Katakura, Wu	evaluating
125	2011	Katakura	
126	2002	Katakura, Kitao	correcting
127	2011	Hashizume	
128	2015	Elekes, Timar,	
129	2014	Timar, Elekes, Singh	



- Mass chain now being corrected

A=126: Our file was reviewed and returned from NNDC last fall. Imura and Ohya are correcting the file, which will be completed within a few months.

- Mass chains now being evaluated

A=120 : Hashizume evaluated this mass chain until last summer. Then, Kanbe and Katakura replaced him and are evaluating this mass chain.

A=124: Koura is evaluating this mass chain.



XUNDL

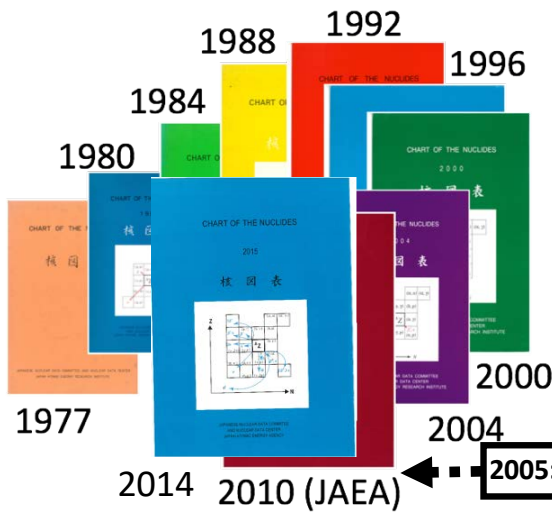
Ichikawa continues compilation of the data taken at RIKEN RIBF into XUNDL files. Some completed XUNDL files were sent to NNDC last year.

55Sc; 63,65,67Mn; 72,74Ni; 76,80Zn; 79Cu; 88Zr; 90,92Mo;
90Nb; 92Rh; 92,93Ru; 92Tc; 94,96Pd; 96,98Ag; 98,100Cd;
102,110Sn; 166Tb; 170Dy

Also, he compiled the data taken at other facility than RIBF.

65,67,69,75,79,80,81,82Ga; 110Cd

Construction of "JAEA Chart of the Nuclides 2018"



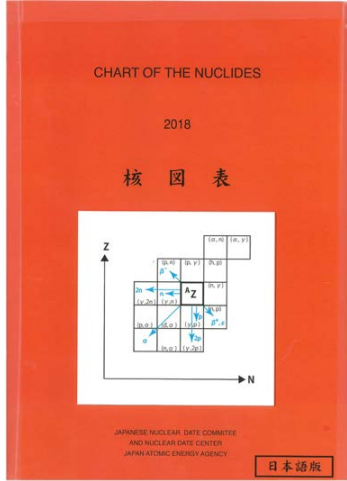
Compilers:
 Y. Yoshizawa (1977 - 1988)
 T. Horiguchi (1977 - 2004)
 M. Yamada (1977 - 1988)
 T. Tamura (1992)
J. Katakura (1992 -)
T. Tachibana (1992 -)
H. Koura (2000 -)
F. Minato
Person: current compiler

2005: JAERI to JAEA



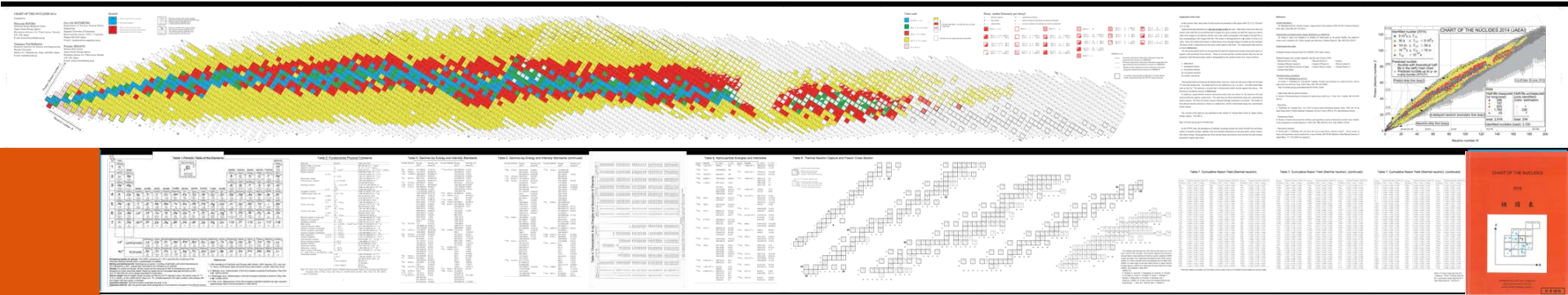
March, 2019

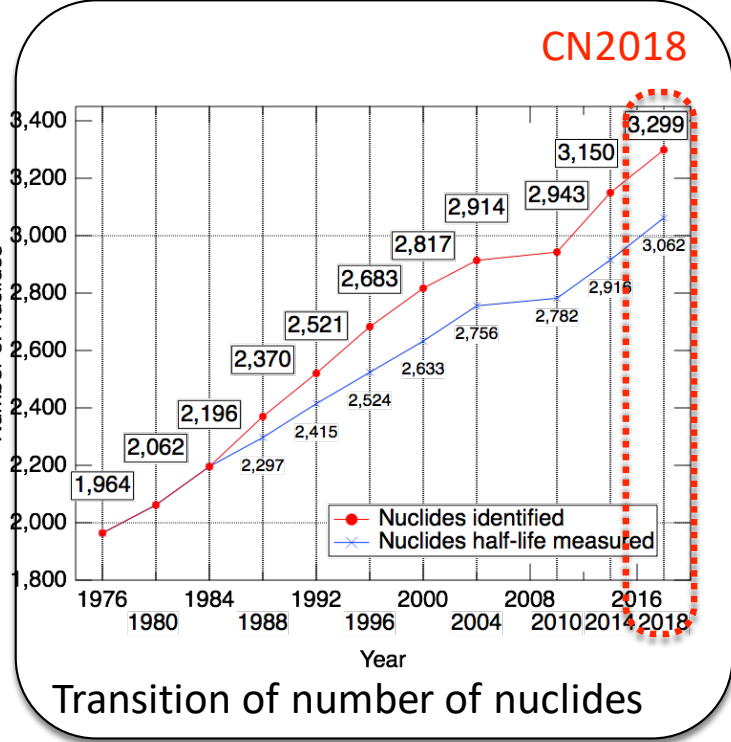
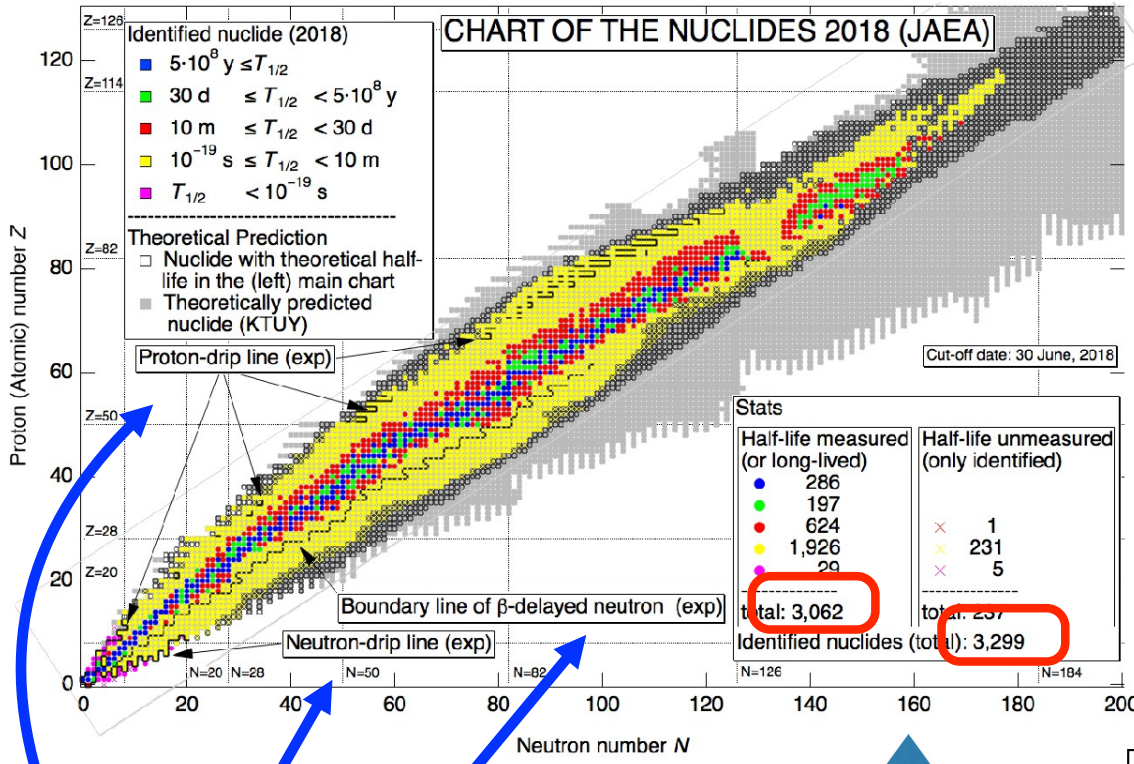
2018 (JAEA)



(the 11th revision)

← 16 pages →





- Drawing neutron and proton drip line
- Drawing beta-delayed neutron border

Stats

← (from 2016 AME)

Adopted nuclear decay data

- ENSDF2018 Mar.
- Journal papers appeared until June of **2018** (PRL, PRC, PLB, ...)

