

# Status report of the Japanese group

Hideki Imura and Hiroyuki Koura

## Members of the Japanese group

Hideki Imura

Liaison of the group.

Nuclear Data Research Laboratory LLC

(Former affiliation: Japan Atomic Energy Agency)

Hiroyuki Koura

Japan Atomic Energy Agency

## 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	2021	Chen	
124	2008	Katakura, Wu	evaluating
125	2011	Katakura	
126	2022	Iimura, Katakura, Ohya	
127	2011	Hashizume	
128	2015	Elekes, Timar,	
129	2014	Timar, Elekes, Singh	

## Mass chains now being evaluated

Mass	Evaluator	Expected date when revised file will be sent to NNDC
120	limura	Mar. 2025
124	Koura	Aug. 2025

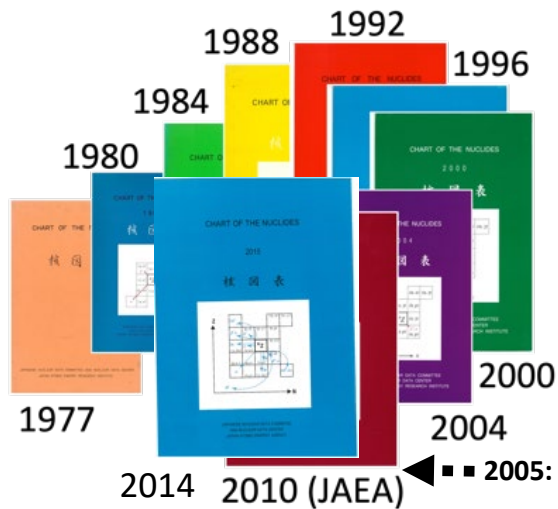
## Candidate for next evaluation

Mass	Evaluator	Expected date when revised file will be sent to NNDC
122	limura	2027

# Financial situation

- Iimura made a contract with the nuclear safety research center of JAEA. However, the amount of contract is too small for him to devote enough time to ENSDF.
- This contract will probably be continued until next spring, but it is uncertain after that. If the contract is lost, Iimura will quit the evaluation.
- So, it is absolutely necessary for the Japanese group to find financial support. Iimura have been asking a few organizations in Japanese government, but have not succeeded in obtaining it so far.

# Construction of "JAEA Chart of the Nuclides 2022"



## Compilers:

Y. Yoshizawa (1997-1988)  
 T. Horiguchi (1977-2004)  
 M. Yamada (1977-1988)  
 T. Tamura (1992)  
 J. Katakura (1992-2014)

T. Tachibana (1992-) Waseda U  
H. Koura (2000-) JAEA  
F. Minato (2014-) Kyushu U

Person: current compiler

2018 (JAEA)



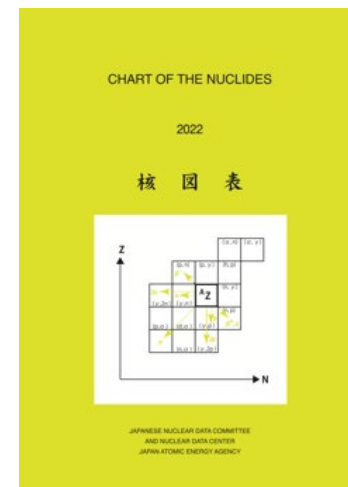
(the 11th revision)

March, 2019



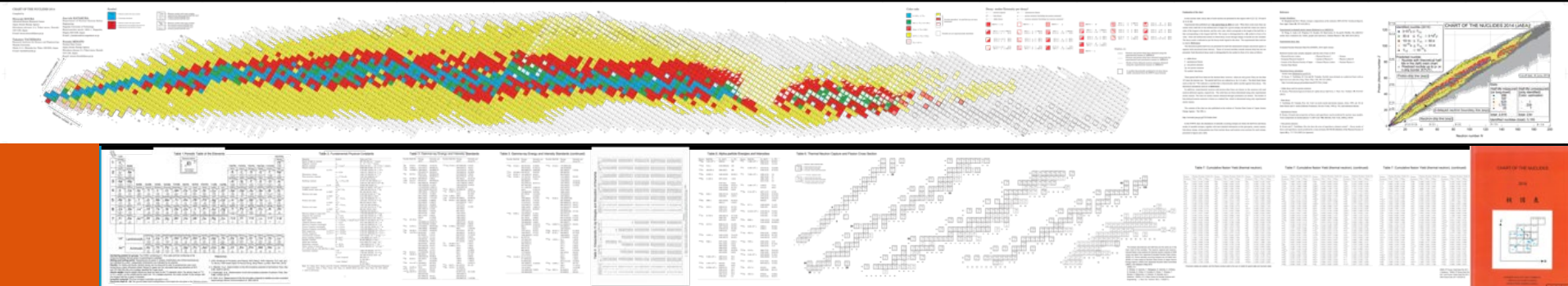
March, 2023

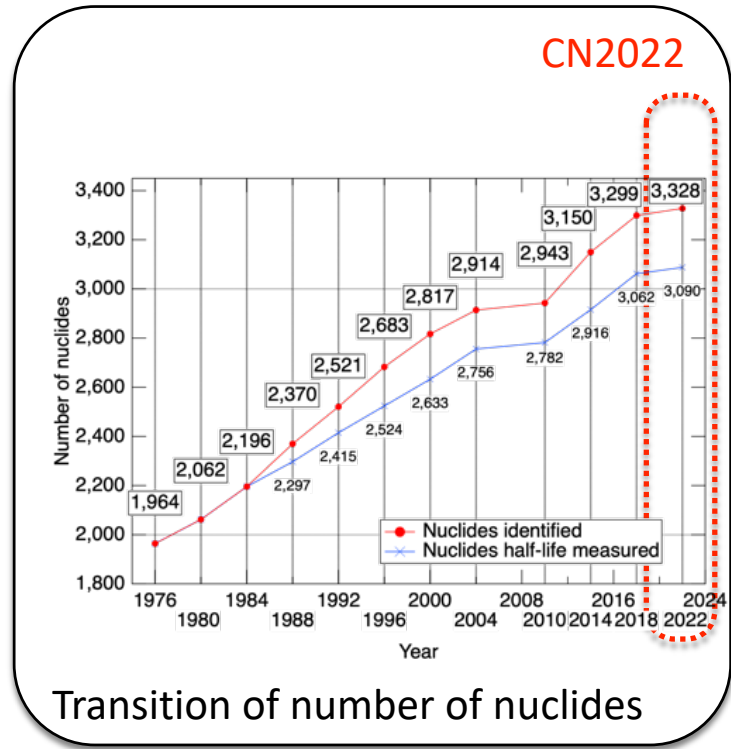
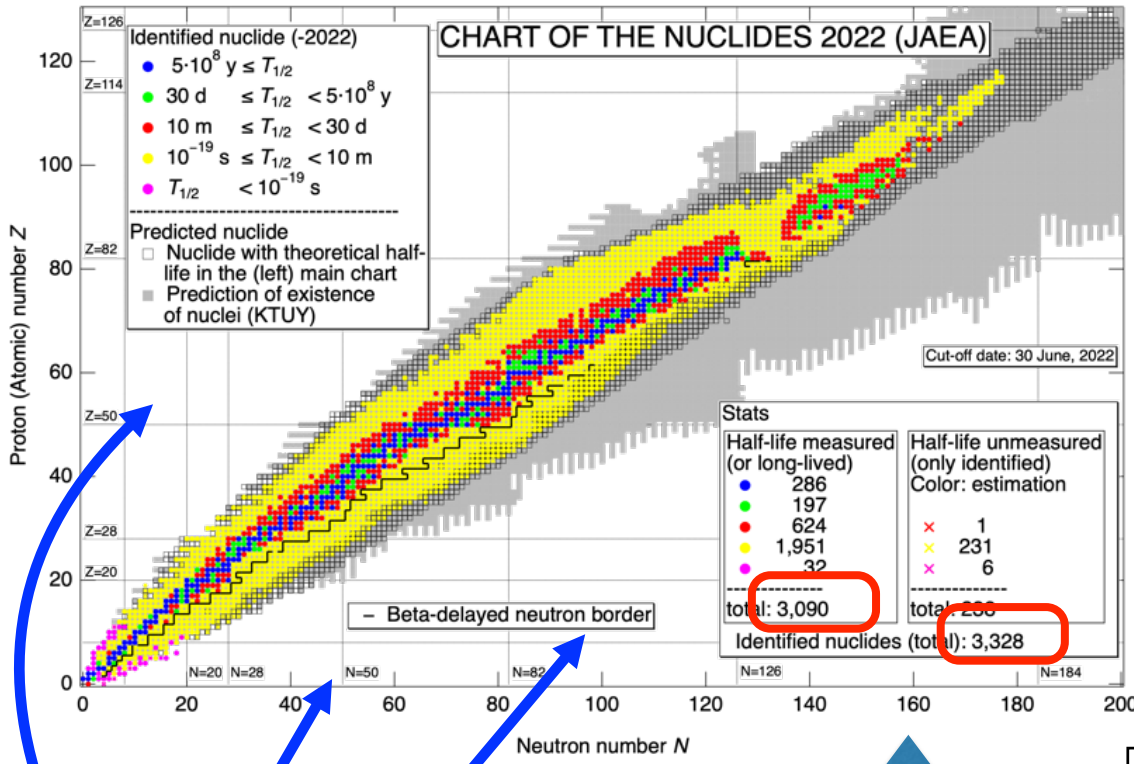
2022 (JAEA)



(the 12th revision)

16 pages





- Drawing neutron and proton drip line
- Drawing beta-delayed neutron border ← (from 2016 AME)

Stats

Adopted nuclear decay data

- ENSDF2022 Jun.
- Journal papers appeared until June of **2022** (PRL, PRC, PLB, ...)

