XUNDL/ENSDF/NDS

Libby Ricard

National Nuclear Data Center

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XUNDL Metrics

FY 22

Compiled 623 datasets from 312 papers

FY 23*

Compiled 594 datasets from 302 papers

Full database is **10623** datasets for **2854** nuclides

Contributions from:

BNL
McMaster
MSU
TUNL

*lower limit

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XUNDL Updates for FY23/24

- Lead PRC checking for summer
- Easy to transfer login and emails

G. Gurdal under contract for XUNDL compilations

- Under contract for ½ of FY23
- Contract increased for FY24
- Compiles published papers

- Trained by J. Chen and E. Ricard for PRC checking
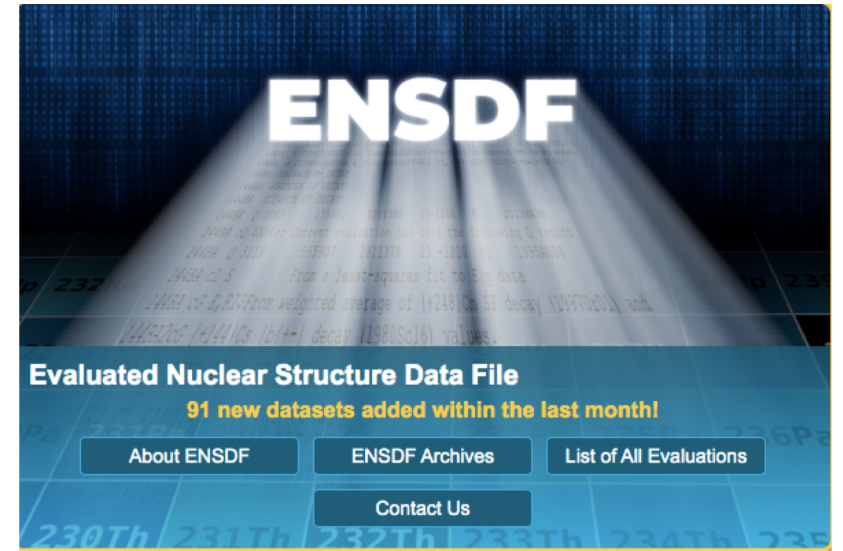- Will increase XUNDL compilation effort focusing on PRC pre-check

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ENSDF Metrics

Evaluated Nuclear Structure Data File
91 new datasets added within the last month!

About ENSDF   ENSDF Archives   List of All Evaluations

Contact Us

FY 22

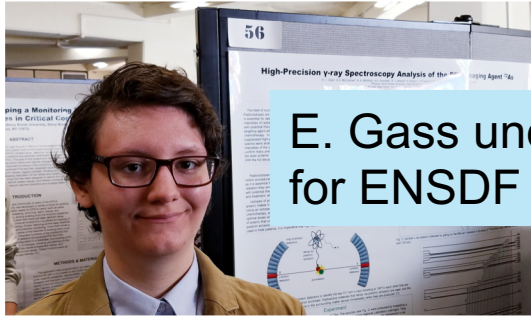**Evaluated 221 nuclides, 12 mass chains**

FY 23

Evaluated 207 nuclides, 13 mass chains

Full database is **19711** datasets for **3426** nuclides
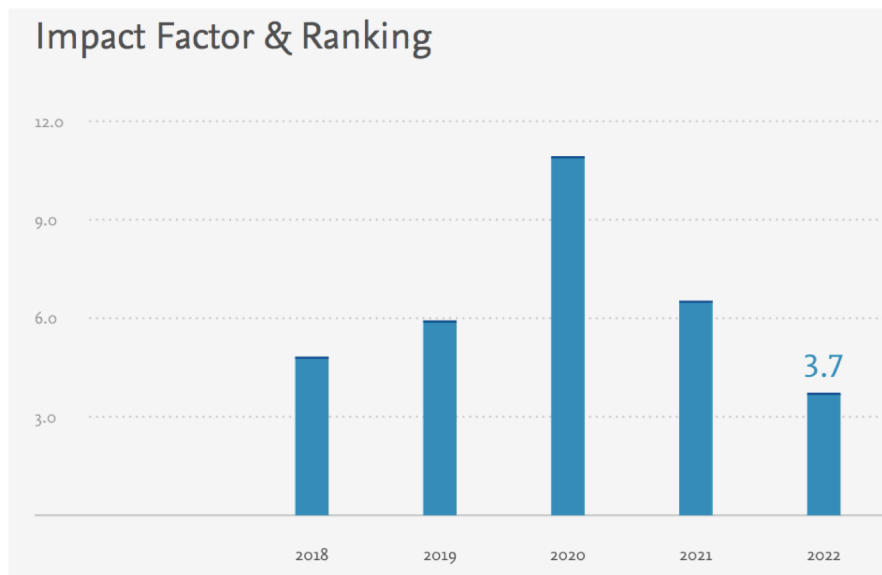
ENSDF Updates for FY23/24

E. Gass under contract for ENSDF evaluations

- Under contract for 1/3 of FY23
- Focuses on "exotic" nuclei coming out of RIB facilities (FRIB, RIKEN, etc)
- ~4 nuclei per week = 200 nuclei per year

New Evaluator Training FOA hopefully adds to active ENSDF evaluators

Nuclear Data Sheets for "FY23"

Impact Factor & Ranking — bar chart (2018–2022), 2022 value 3.7

- 6th out of 81 journals (down from 3rd in 2021)
- Good news – we have a number of what will be (likely) highly cited papers in the pipeline

11 ENSDF mass chain evaluations
2 "traditional" manuscripts

CiteScore — bar chart with CiteScore Percentile line (2018–2022), 2022 value 9.4

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