

Decay Data Sub-library

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a passion for discovery



Motivation

Decay Data: MF=8, MT=457, all the data needed for decay network calculations

Other efforts: ENDF/B-VI.8 (mid-1980's), ENDF/B-VII.0 (2005), JEFF-3.11, JENDL

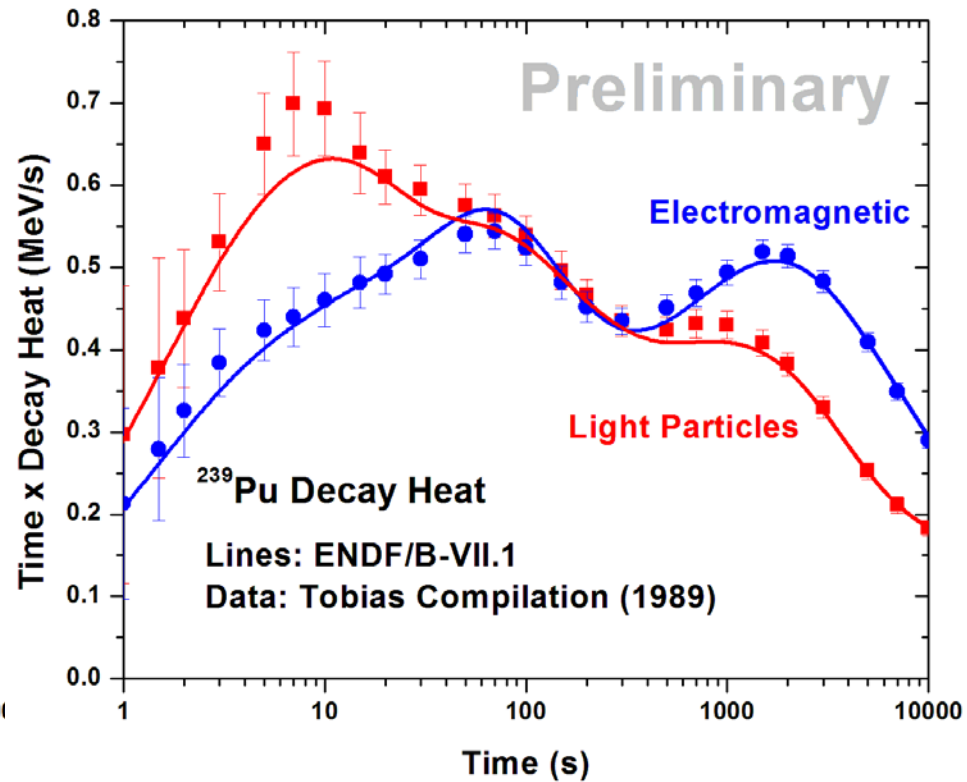
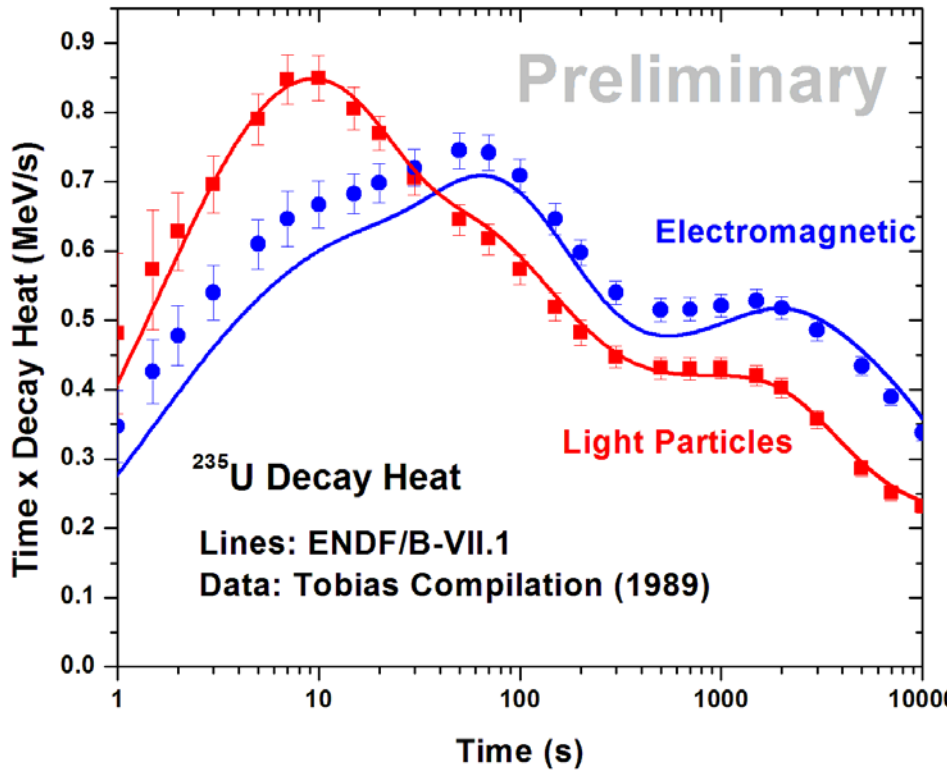
3817 materials

Source of Data:

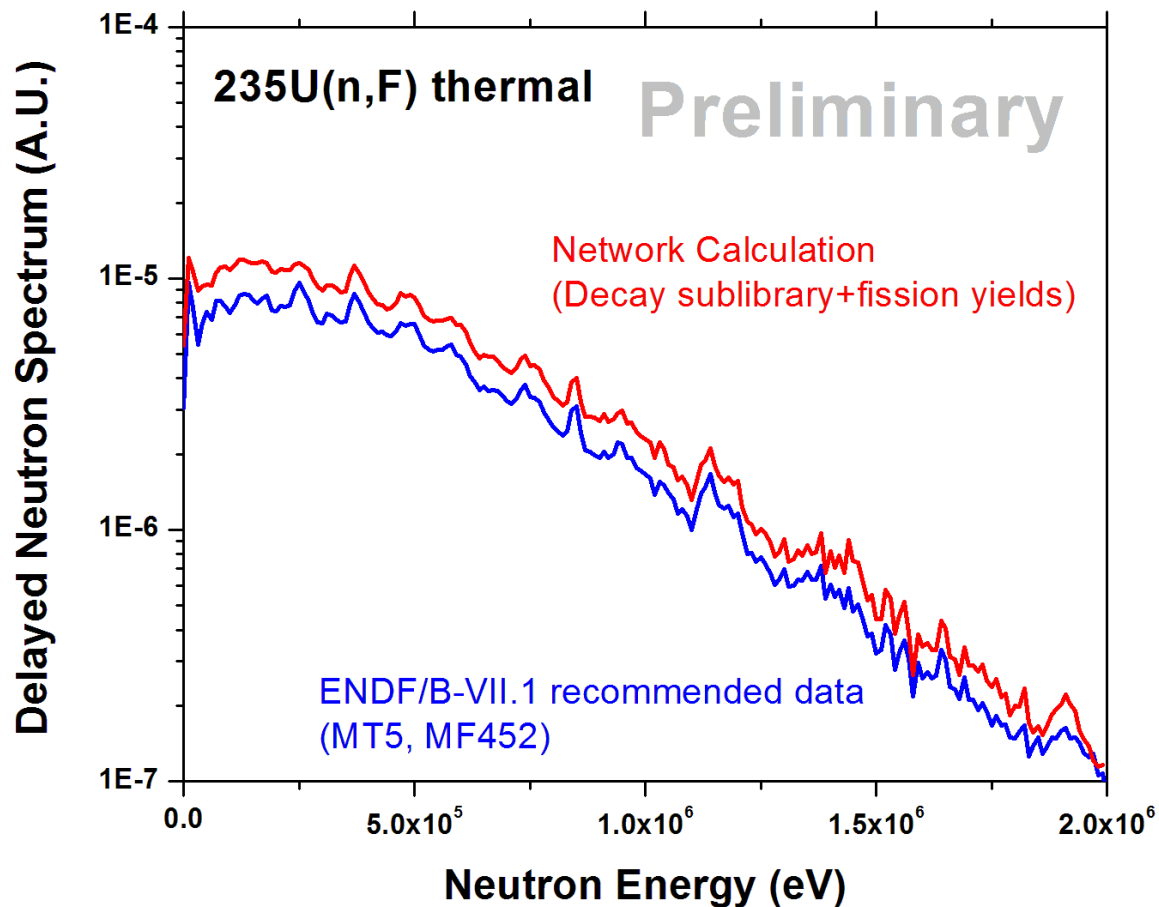
- ENSDF
- DDEP
- 2011 Atomic Mass Evaluation,
- Latest TAGS measurements,
- CGM calculations by T. Kawano for neutron-rich fission yields

Undergoing cleaning up and minor updates

Decay Heat



Energy Spectra



Nu-bars

Ratio of Calculated Nu-bars using the Decay sublibrary to recommended Nu-bars in ENDF/B-VII.0 (MT1.MF455)

