

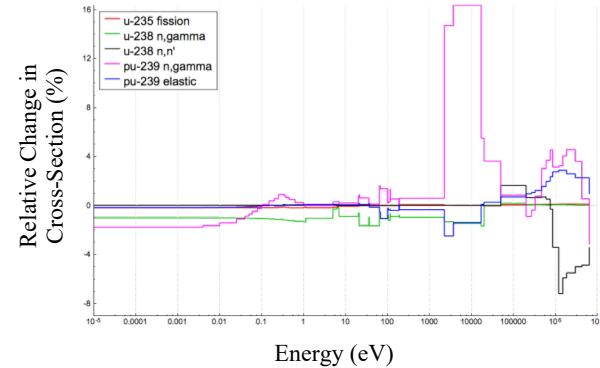
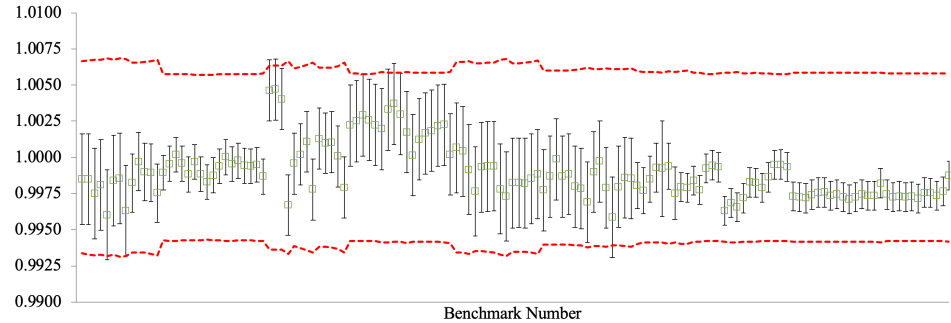
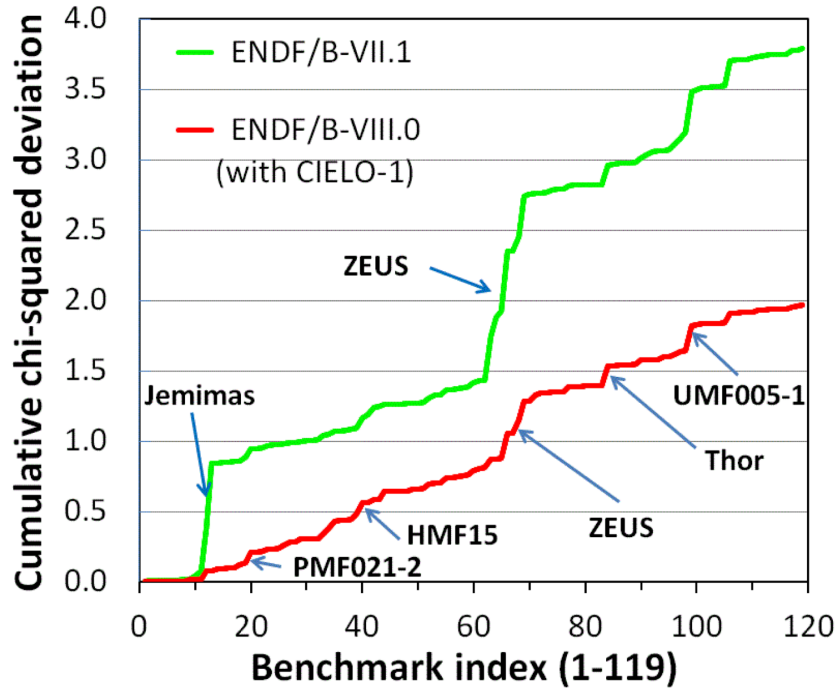
Nuclear Data Validation and Integral Experiments Beyond ICSBEP

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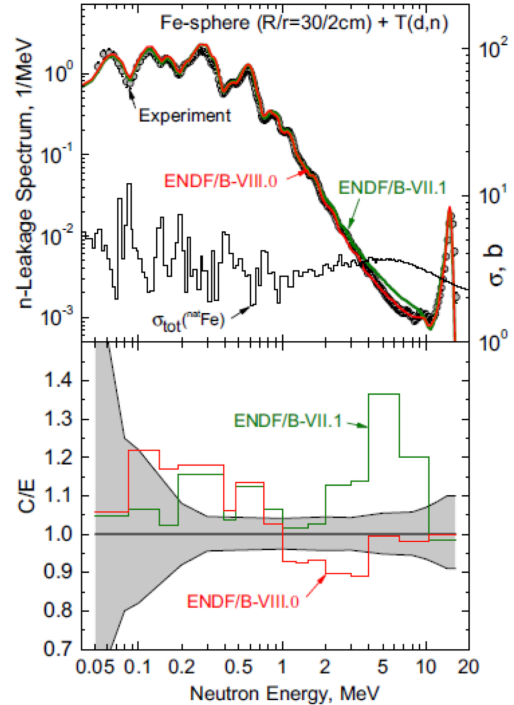
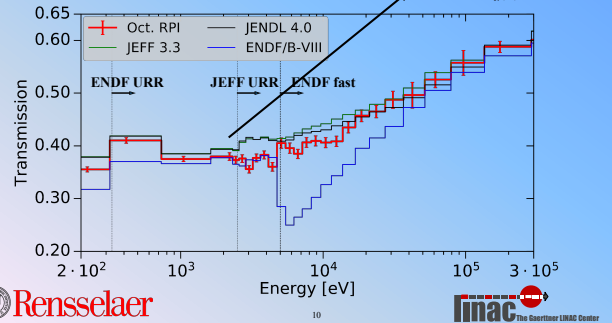
ICSBEP for Nuclear Data Validation



Other Integral and Semi-Integral Experiments

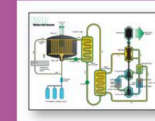
Self-Shielding “Benchmark” (Transmission through a thick sample)

- Test URR treatment
- ENDF is performing poorly



Nuclear Science
July 2019

International Handbook of Evaluated Reactor Physics Benchmark Experiments



Future Nuclear Data Validation Needs

1. Single material, semi-integral experiments
 - a. Isolated reactions
 - b. Sensitivity to angular distribution
2. Integral experiments in application flux spectra
3. Systematic approach to incorporating integral measurements to improve nuclear data
4. *Community Ideas*: Cross-cutting validation?

