



Title	Nuclear data sensitivity analysis on LWR nuclear fuel depletion with the modern evaluated nuclear data libraries
Author(s)	Amar, Hidayati; Chiba, Go; Fujita, Tatsuya et al.
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Supplemental Online Material

Title:

Nuclear data sensitivity analysis on LWR nuclear fuel depletion with the modern evaluated nuclear data files

Authors:

Hidayati Amar, Yuya Inagaki, Junshuang Fan, Tatsuya Fujita, and Go Chiba

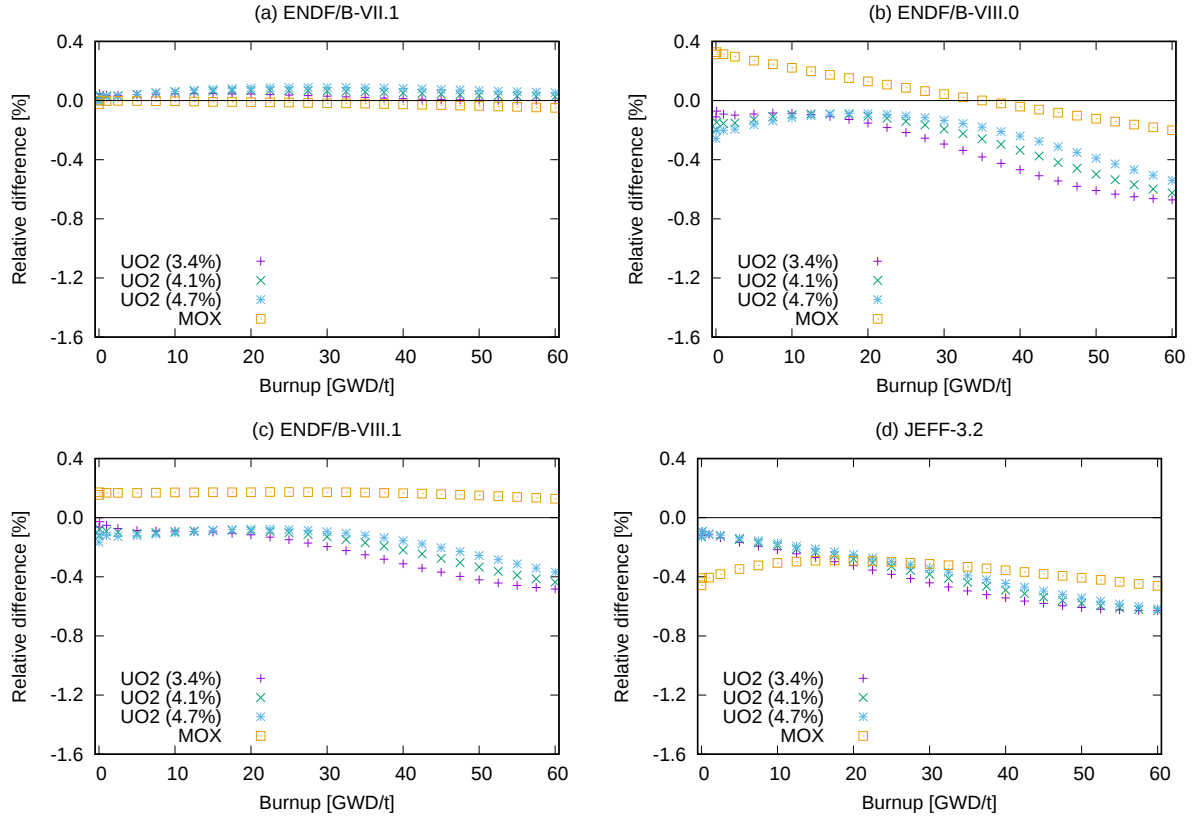


Figure A1. Relative differences in k_{∞} of the ENDF/B-VII.1, -VIII.0, -VIII.1, and JEFF-3.2 results from the JENDL-4.0 reference result in the single pincell problems

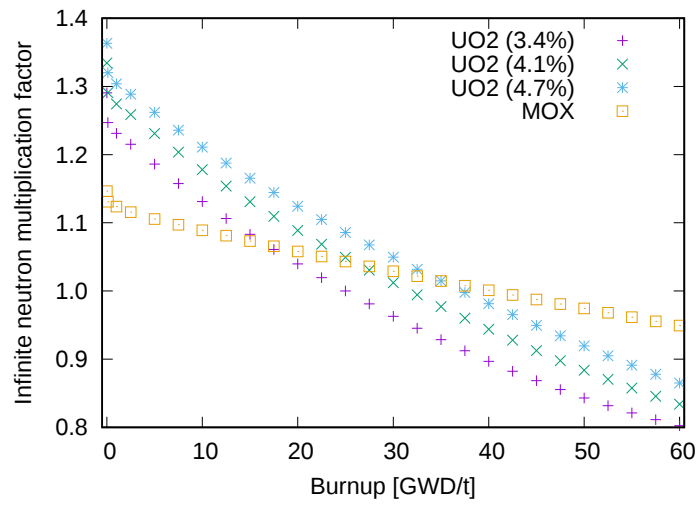


Figure A2. k_{∞} of the single pincell problems obtained with JENDL-4.0

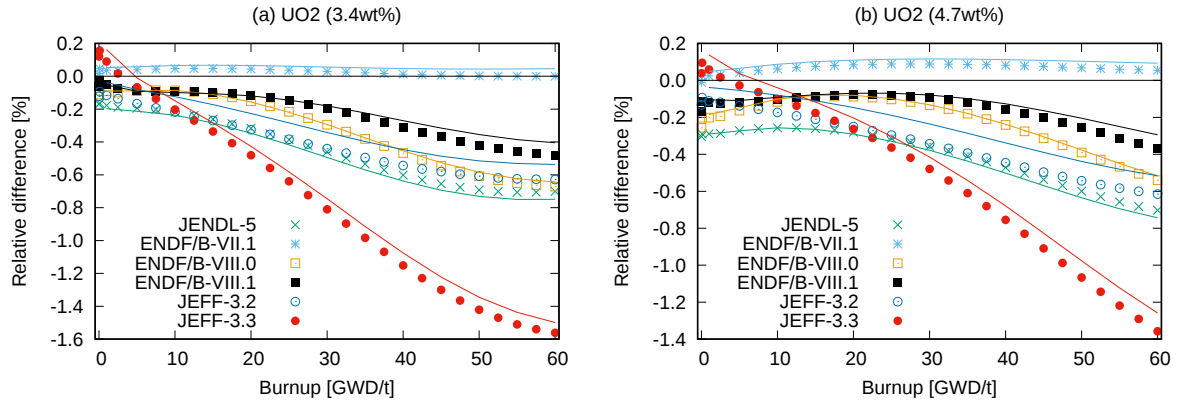


Figure A3. Relative differences in k_{∞} of the single pincell problems using the JENDL-4.0 results as the references

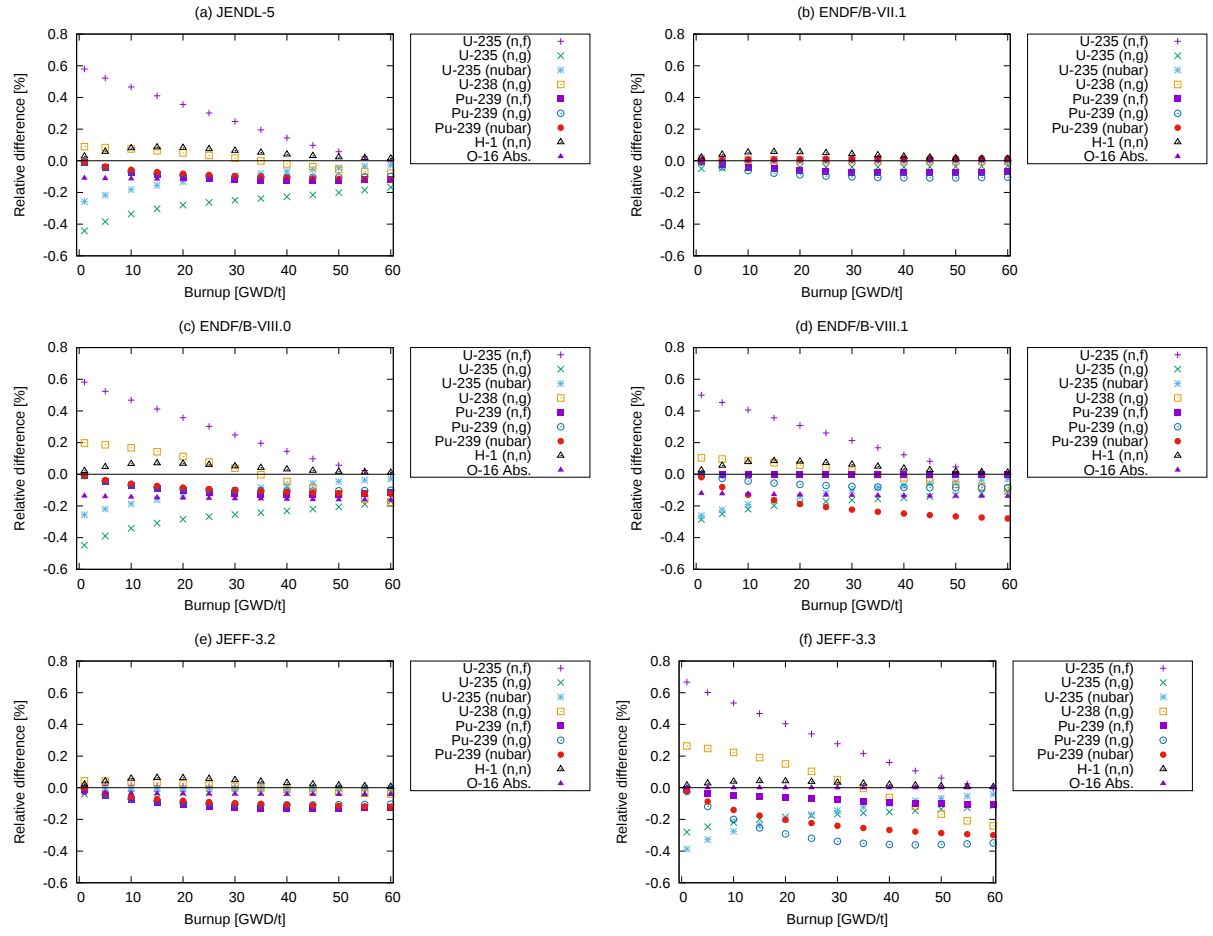


Figure A4. Nuclear data-wise impacts on k_{∞} of the single UO_2 pincell problem (3.4 wt%) using the JENDL-4.0 result as the reference

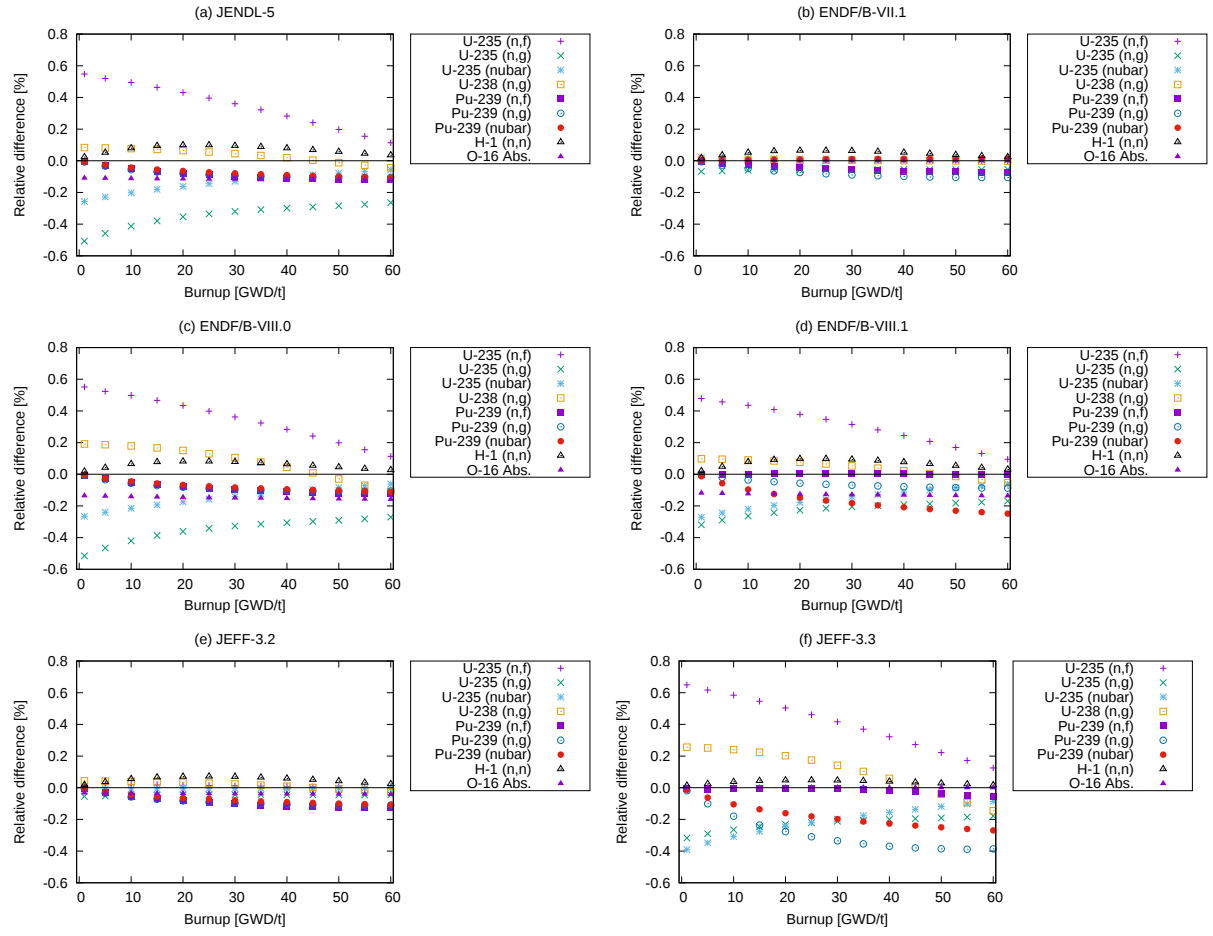


Figure A5. Nuclear data-wise impacts on k_{∞} of the single UO_2 pincell problem (4.7 wt%) using the JENDL-4.0 result as the reference

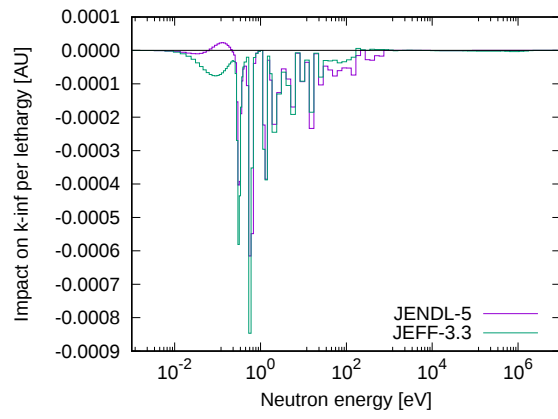


Figure A6. Energy group break-down in the sensitivity analysis results of (n,γ) of Am-241 for k_{∞} at 1 GWD/t of the single MOX pincell problem

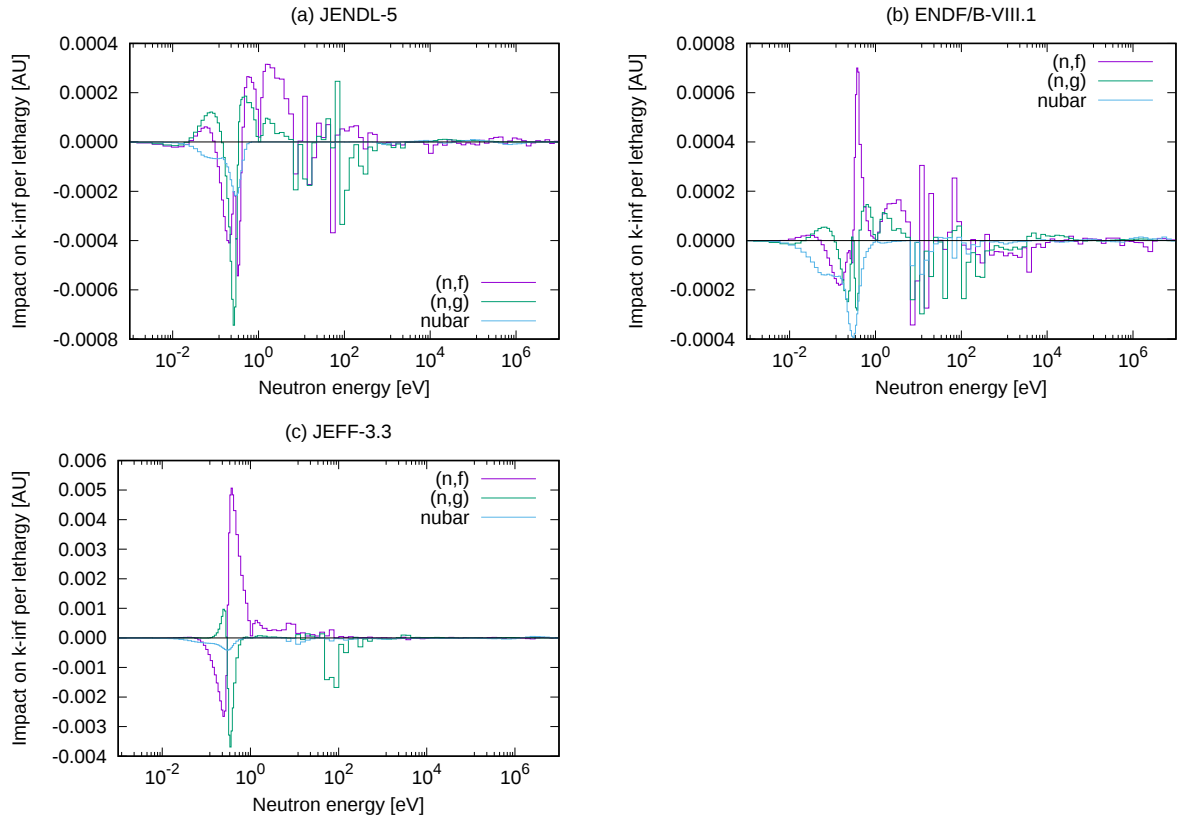


Figure A7. Energy group break-down in the sensitivity analysis results of the Pu-239 nuclear data in JENDL-5, ENDF/B-VIII.1, and JEFF-3.3 for k_{∞} at 1 GWD/t of the single MOX pincell problem

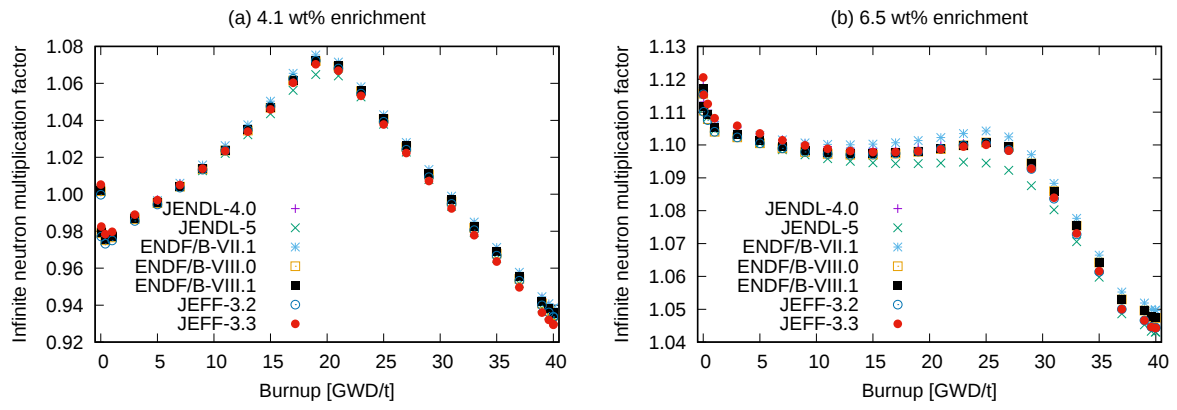


Figure A8. k_{∞} of the 3×3 multicell problems

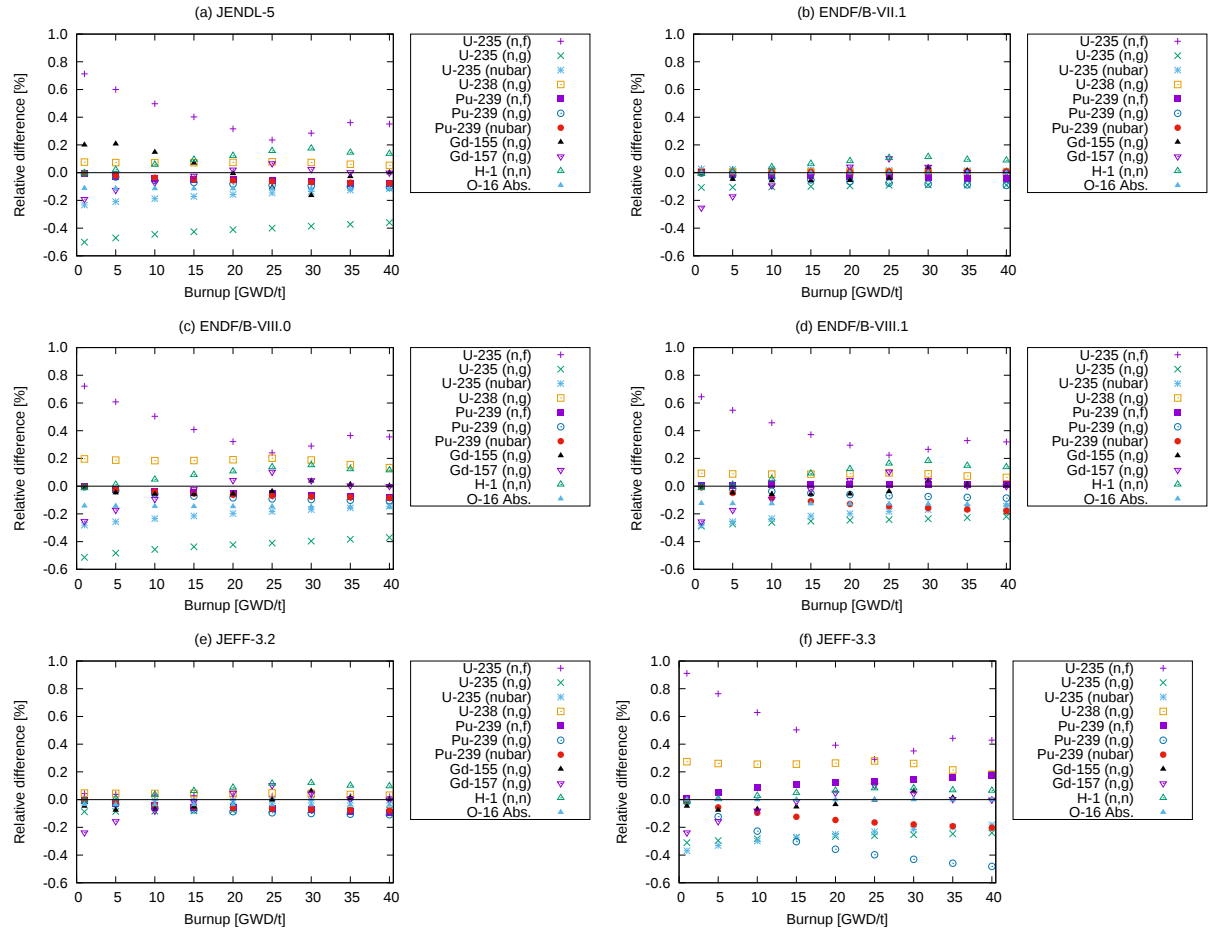


Figure A9. Nuclear data-wise impacts on k_{∞} of the 3×3 multicell problem with the 6.5 wt% UO_2 fuel

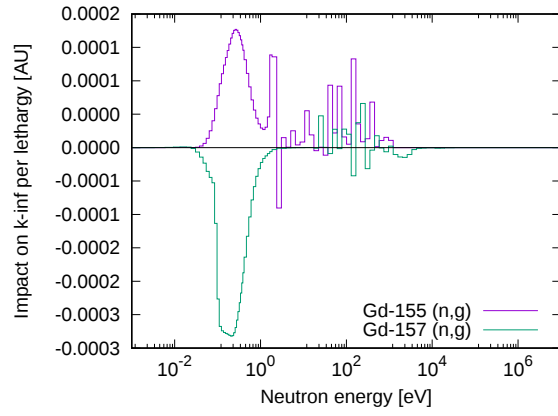


Figure A10. Energy group break-down in the sensitivity analysis results of (n,γ) of Gd-155 and -157 for k_{∞} at 1 GWD/t of the 3×3 multicell problem

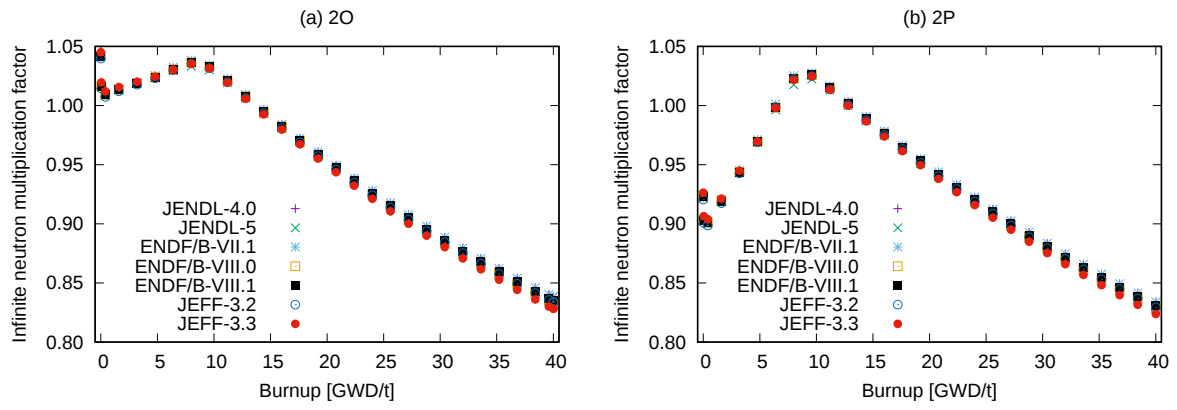


Figure A11. k_{∞} of VERA-2O and -2P

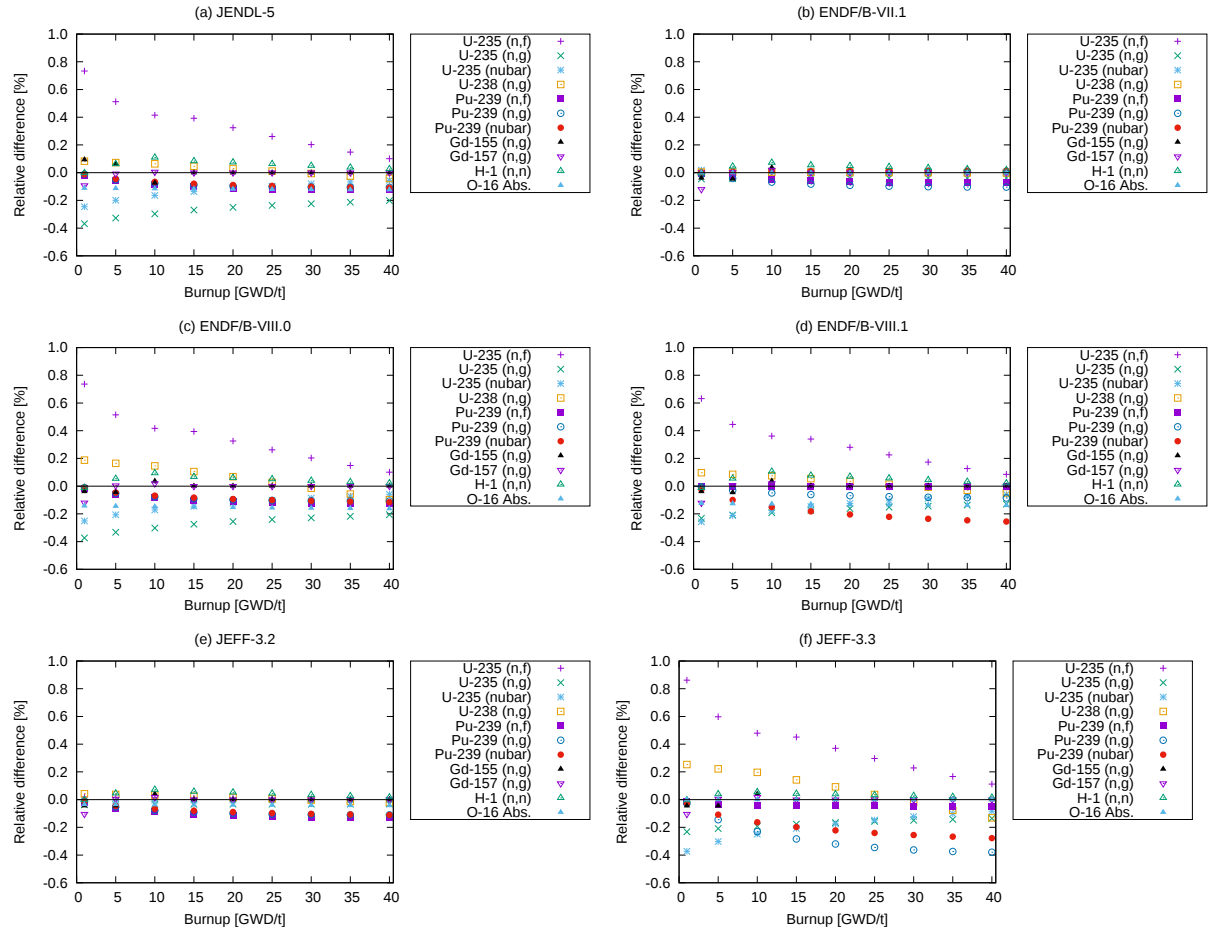


Figure A12. Nuclear data-wise impacts on k_{∞} of the VERA-2O problem

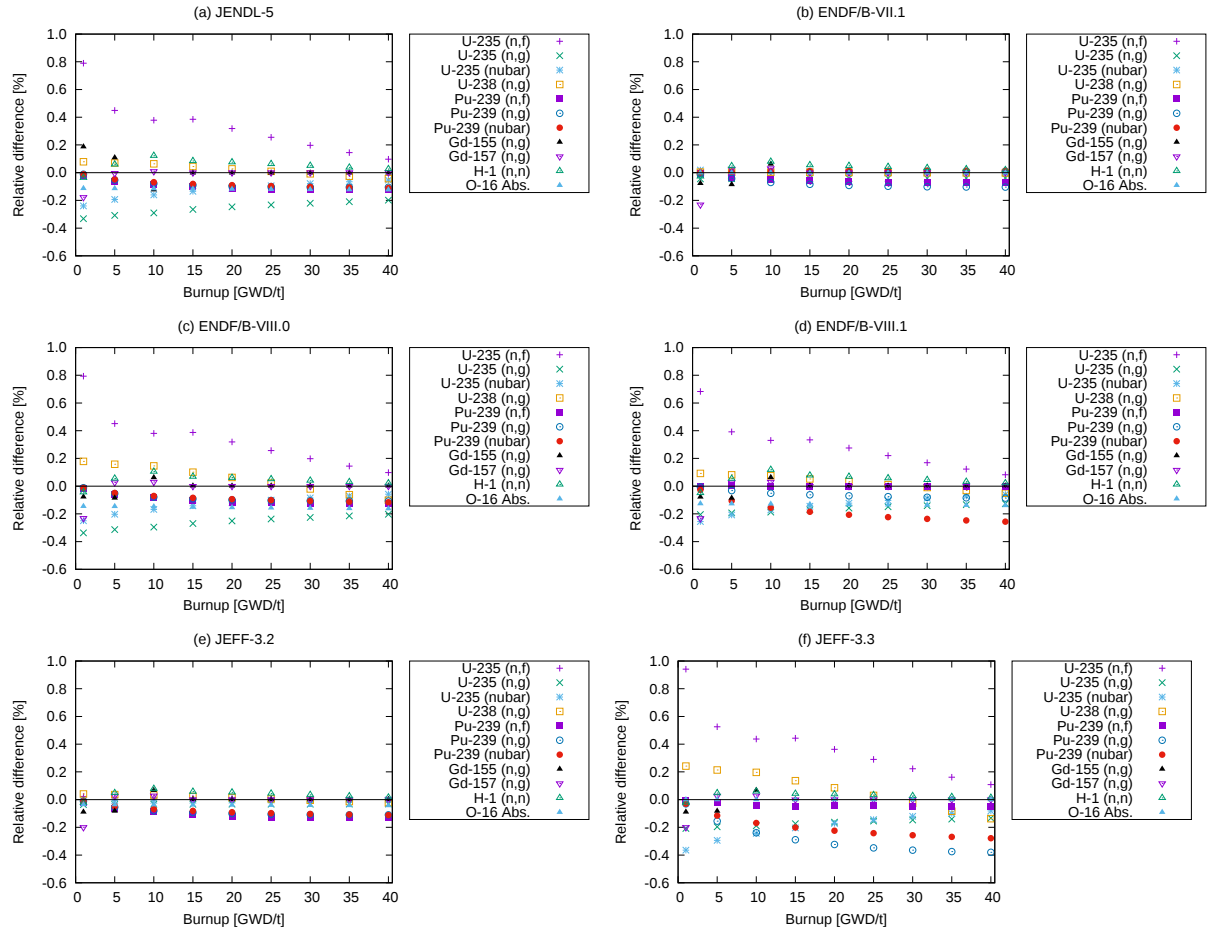


Figure A12. Nuclear data-wise impacts on k_{∞} of the VERA-2P problem