

^{90}Zr BNL evaluations

- ✓ ENDF/VIIb2 evaluation from Subgroup-23 → undesirable drop in reactivity (underestimate of elastic cross section)
- ✓ New NNDC evaluation (beta3) in fast neutron region using dispersive potential
- ✓ Beta3 validated at KAPL against integral measurements and now part of ENDF/B-VII.0
- ✓ In ENDF/A an improved version beta4 (ATLAS - S.F. Mughabghab) tested only by KAPL
- ✓ Future upgrade: delete the bound level in ^{90}Zr and adjust parameters in ^{91}Zr