



Discussion on isotope and reactions to be selected

➤ **Isotopes**

- B10, O16, Na23, Fe56, Cr52, Ni58, U235, U238, Pu239, Pu240, Pu241

➤ **Adjustable (group average, infinite dilution) parameters**

- Reaction cross sections
 - ✓ Capture
 - ✓ Elastic
 - ✓ Inelastic
 - ✓ Fission
 - ✓ Nu-bar
- Mu-bar
- Normalized fission spectrum
- Normalized distribution of emitted neutrons from inelastic scattering

➤ **Number of adj. parameters**

- 5 reactions : $33 \times (6 \times 3 + 5 \times 5) = 1319$
- + ...