

Determine Burnup

Loop over normalized energy-dependent  
neutron scalar fluxes and Determine:

Determine  $\phi$  ( $^{148}\text{Nd}$ )

Enrichment (Doyle)

Fuel Age ( $^{154}\text{Eu}$ ,  $^{106}\text{Ru}$ ,  $^{144}\text{Ce}$ )

Determine consistency of age indicators

Store Information from calculation

Calculate  
with next  
Fluence  
Ratios

