

$(n, \gamma) {}^{137}_{55}\text{Cs} \quad \beta^{-1} \rightarrow {}^{136}_{56}\text{Ba}$

${}^{136}_{55}\text{Cs}$

13 days

0.025 eV: 11  
Epi: 57

$(n, \gamma) {}^{138}_{55}\text{Cs} \quad \beta^{-1} \rightarrow {}^{147}_{56}\text{Ba}$

${}^{137}_{55}\text{Cs}$

0.025 eV: 0.2  
Epi: 0.3

$(n, \gamma) {}^{137}_{54}\text{Xe} \quad \text{Stable 8.9\%}$

${}^{136}_{54}\text{Xe}$

0.025 eV: 0.2  
Epi: 0.1

$\beta^{-1} \rightarrow {}^{137}_{55}\text{Cs}$

${}^{137}_{54}\text{Xe}$

3.8 min