

$$\begin{array}{ccccccccc}
{}^{238}\textit{U} + n & \longrightarrow & {}^{239}\textit{U} & \xrightarrow{\varphi} & {}^{239}\textit{Np} & \xrightarrow{\psi} & {}^{239}\textit{Pu} & \longrightarrow & 0 \\
& & \downarrow \eta_1 & & \downarrow \eta_2 & & \downarrow \eta_3 & & \\
0 & \longrightarrow & A' & \xrightarrow{\varphi'} & B' & \xrightarrow{\psi'} & C' & \longrightarrow & 0
\end{array}$$