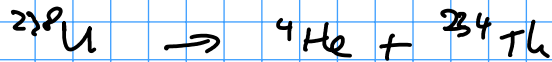
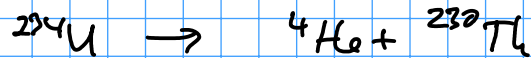


Alpha-Strahlung

2 Teilchen = ${}^4\text{He}$



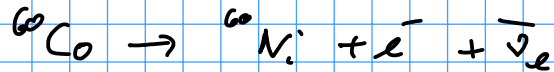
$$T_{1/2} = 4.5 \cdot 10^9 \text{ a}$$



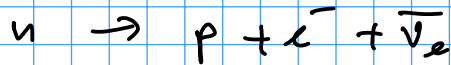
$$T_{1/2} = 9.1 \text{ min}$$

Beta-Strahlung

schnelle Elektron e^-



$$T_{1/2} = 5.2 \text{ a}$$



$$T_{1/2} = 15 \text{ min}$$

Gamma-Strahlung

Photonen γ , $E_\gamma \approx \text{MeV}$, bei Übergang von Kernen, $T_{1/2} \approx 10^{-16} \text{ bis } 10^{-13} \text{ s}$

andere Möglichkeiten

e^+ , p , n , kleine Kerne