

(59)

^{235}U

$$T_{1/2} = 7 \cdot 10^8 \text{ a}$$

$$\lambda = \frac{\ln 2}{T_{1/2}} = 9,9 \cdot 10^{-10} \text{ a}^{-1}$$

$$N = N_0 \cdot e^{-\lambda t} ; \quad \frac{N}{N_0} = e^{-9,9 \cdot 10^{-10} \cdot 3,5 \cdot 10^9}$$

$$\frac{N}{N_0} = 3,12 \cdot 10^{-2}$$