

(11.2) Assume the irradiation time of the gold foil in the previous problem is one week. What percentage of the original gold atoms in the target have undergone transformation?

$$\text{transrate} := 9.9 \cdot 10^{-8} \cdot \text{sec}^{-1} \quad \text{time} := 7 \cdot \text{day} \quad \text{transrate} \cdot \text{time} \cdot 100 = 5.988 \quad \%$$