

2008 juin b

B Ondes stationnaires

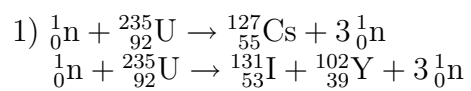
4) $\mu = 2 \cdot 10^{-3} \text{ g m}^{-1}$

C Relativité restreinte

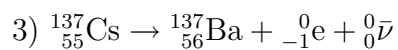
2) $c = 15 \text{ m s}^{-1}$

3) $E_{tot} = 18\,000 \text{ J}$; $E_C = 8000 \text{ J}$

D Physique nucléaire



2) $E = 172,7 \text{ MeV}$



4) $m = 0,8 \mu\text{g}$

6) $A = 241 \text{ Bq}$