

FY8

$$1-38 \quad v = 1,0 \cdot 10^6 \text{ m/s}$$

$$m = 1,672 \cdot 10^{-27} \text{ kg} \quad (\text{protonens vilomassa})$$

$$\lambda = \frac{h}{mv} = \frac{6,626 \cdot 10^{-34} \text{ Js}}{1,672 \cdot 10^{-27} \text{ kg} \cdot 10^6 \text{ m/s}} = 3,96 \dots \cdot 10^{-13} \text{ m} \\ \approx \underline{\underline{4,0 \cdot 10^{-13} \text{ m}}}$$