

$$\begin{aligned}\frac{\Delta U}{\Delta h} &= \frac{24\text{V}}{1\mu\text{m}} \\ \Delta U &= \frac{24\text{V} \cdot 0.35\mu\text{m}}{1\mu\text{m}} \\ \Delta U &= 8.4\text{V}\end{aligned}$$

$$\frac{0.25\text{cm} \cdot 4.35\text{nm}}{7.6\text{cm}} = 0.143\text{nm} \Rightarrow 1.43 \cdot 10^{-10}\text{m}$$

$$10^{-11}\text{m} \cdot \sqrt{10^{-18}\text{J}} \leq 1.05 \cdot 10^{-34}\text{Js} \cdot \sqrt{\frac{2}{9.11 \cdot 10^{-31}\text{kg}}}$$