

Heisenbergsche Unschärferelation:

The product of the uncertainty about the momentum Δp
times the uncertainty as to the position Δx

is always greater than $\frac{h}{4\pi}$

where h is the Planck's constant.

$$\Delta p \cdot \Delta x \geq \frac{h}{4\pi} \text{ or } \Delta p \cdot \Delta x \geq 0,5 \cdot 10^{-34} \text{ Js}$$