

Mirror



4 km

Beam
splitter

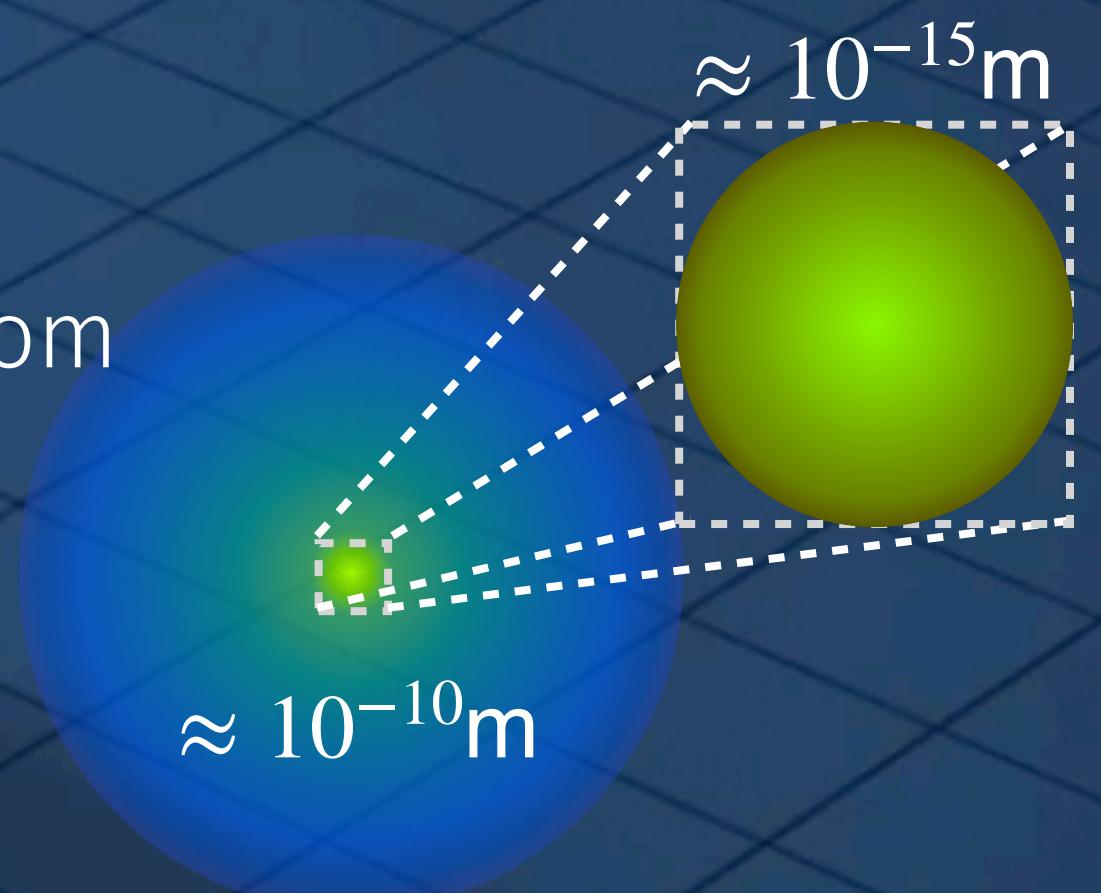
Laser



4 km

Detector

H-atom



$$\text{strain} = \frac{\Delta L}{L} \sim \frac{10^{-22}\text{ m}}{4\text{ km}}$$

Strain < width of proton!

