

Recap

- Photons carry momentum $p=h/\lambda$
- Everything has wavelength $\lambda=h/p$
- Uncertainty Principle $\Delta p \Delta x > h/(2\pi)$
- Atom
 - Positive nucleus 10^{-15} m
 - Electrons “orbit” 10^{-10} m
 - Classical E+M doesn't give stable orbit
 - Need Quantum Mechanics! **Bohr model (1913)**