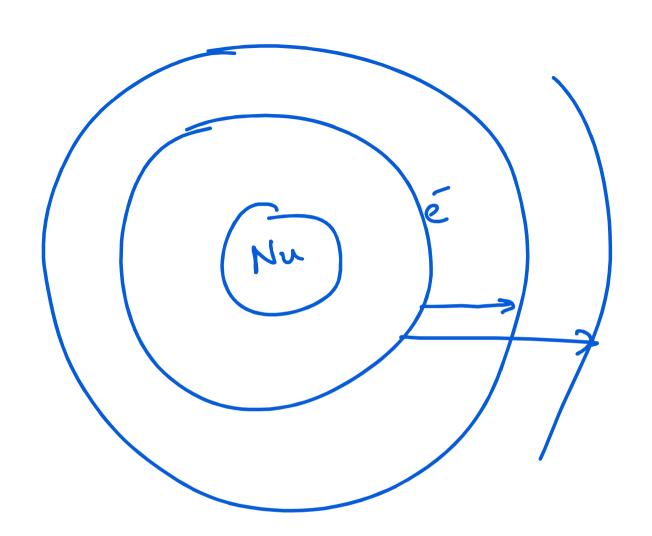
Classical Newlan

Quantum Smaller particles Both x F= df (Continuous) Atomic Line Spectra

(Discrete) Max Planck (1908)
Blackbody Radiation 上=h2 Const. 6.62 × 10 Js Discrete "packets \_\_\_ granta"

Emstein (1905) Photoelectric effect



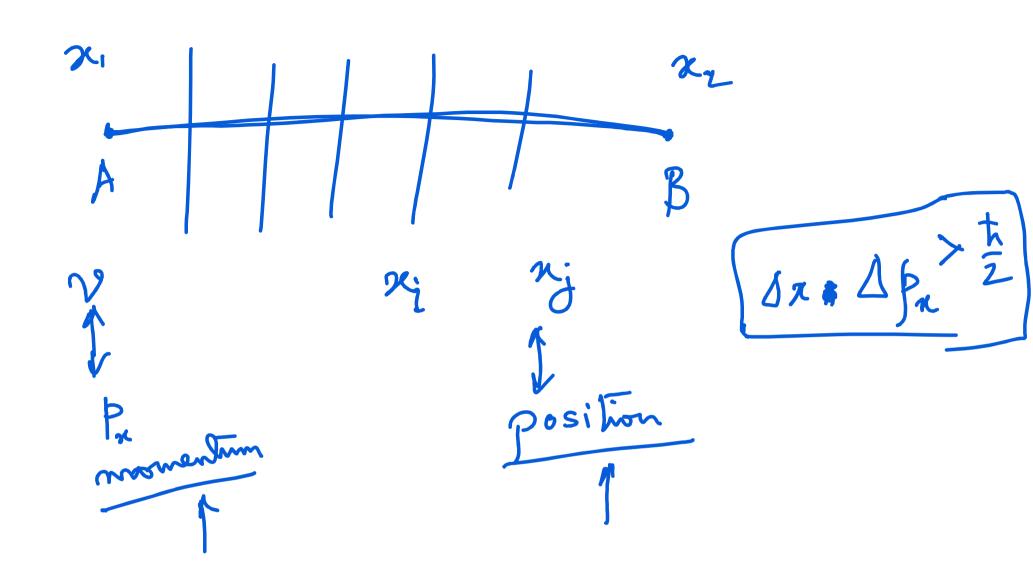
"

To Gonst

Js

Particles & Warres de Broglie duality > of a  $\lambda = h$  Wavelength Cricket ball Ware like properties Davidson & German (1927)

Small particles vs large Observation Heisenberg Uncertainity Principle 



Molecules & Structure Chemistry -Observable < Spectro scopy

x (t)  $\chi(0), p(0)$ Not possible in QM Possible in CM