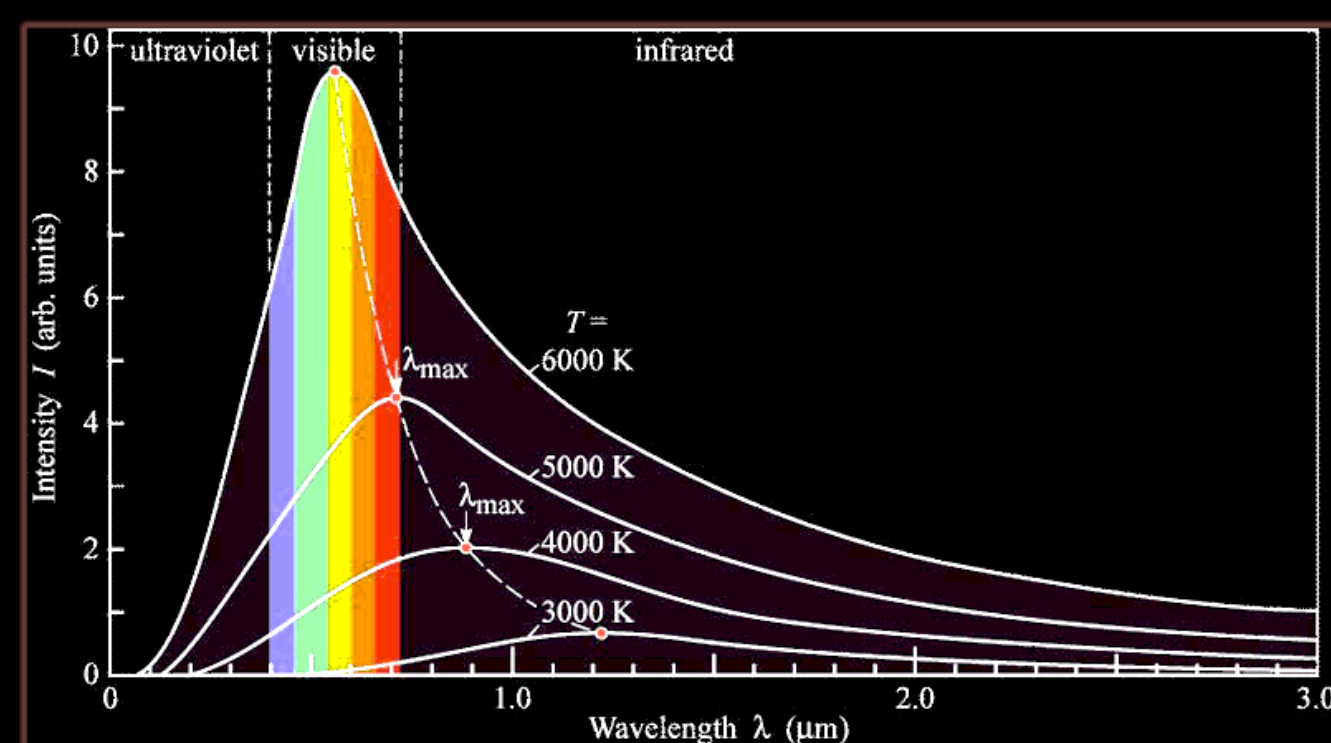


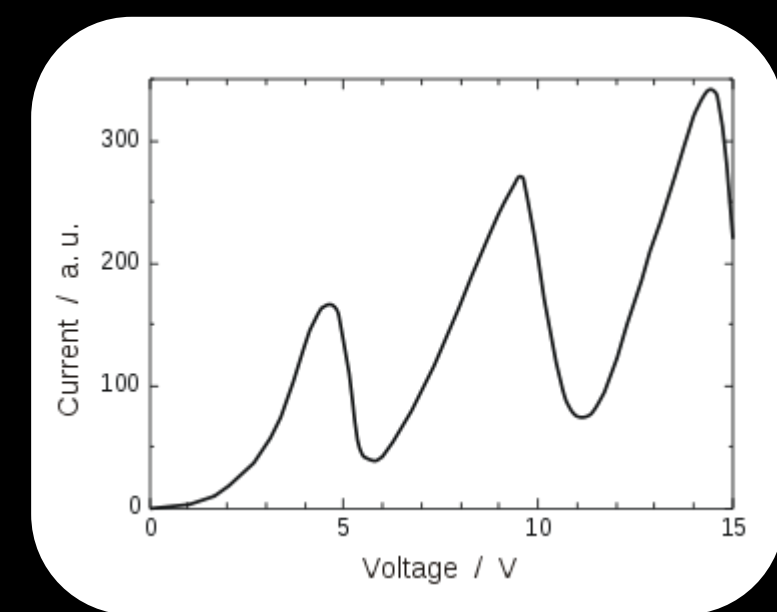
VIAGGIO NELLA MECCANICA QUANTISTICA

dai primi esperimenti alla teoria

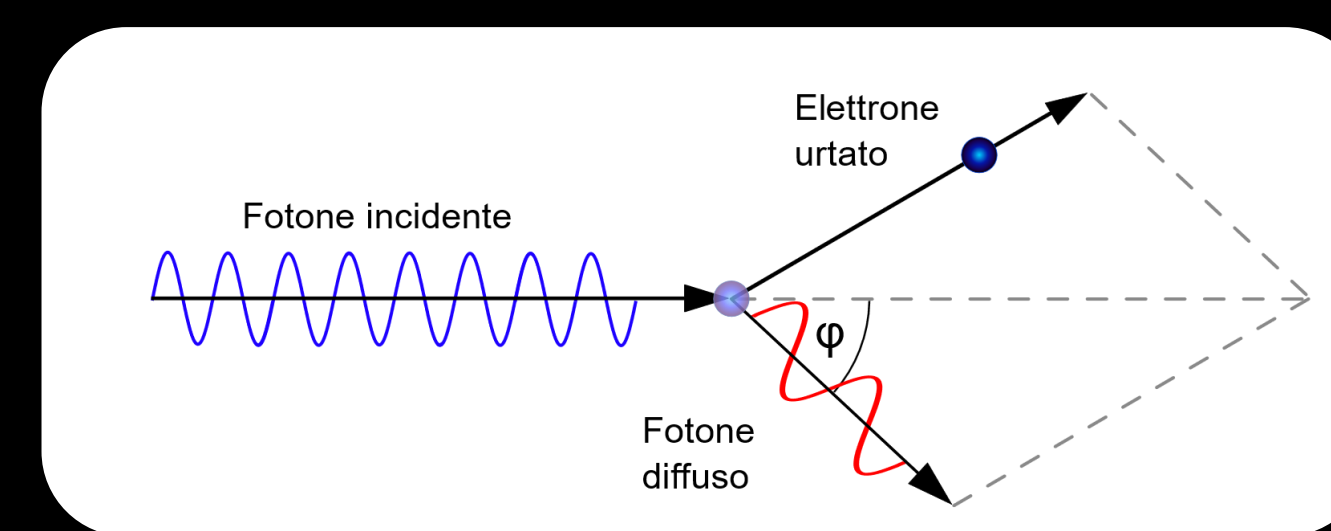


Max Planck
Spettro di emissione del corpo nero
1900

Geoffrey Ingram Taylor
Interferenza a singolo fotone
1909



James Franck e Gustav L. Hertz
Quantizzazione dei livelli atomici
1914



Arthur Compton
Scattering fotone-elettrone
1923

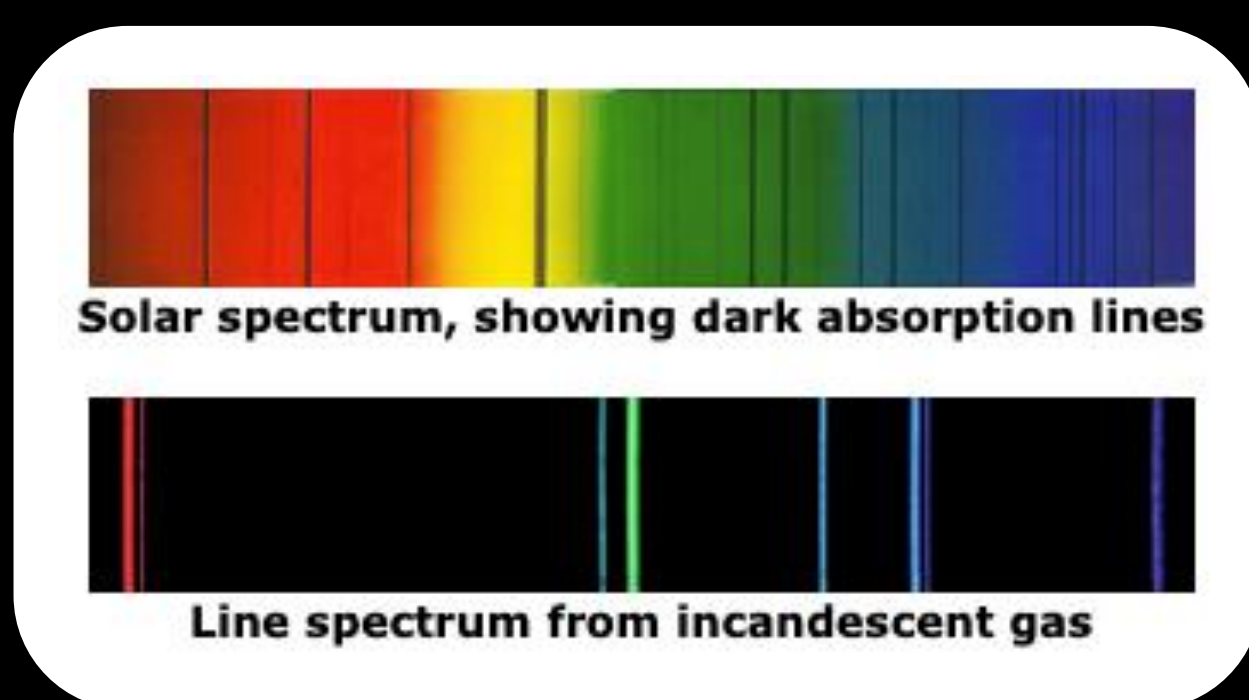
Wolfgang Pauli
Principio di esclusione di Pauli

$$\Delta x \Delta p \geq \frac{\hbar}{2}$$

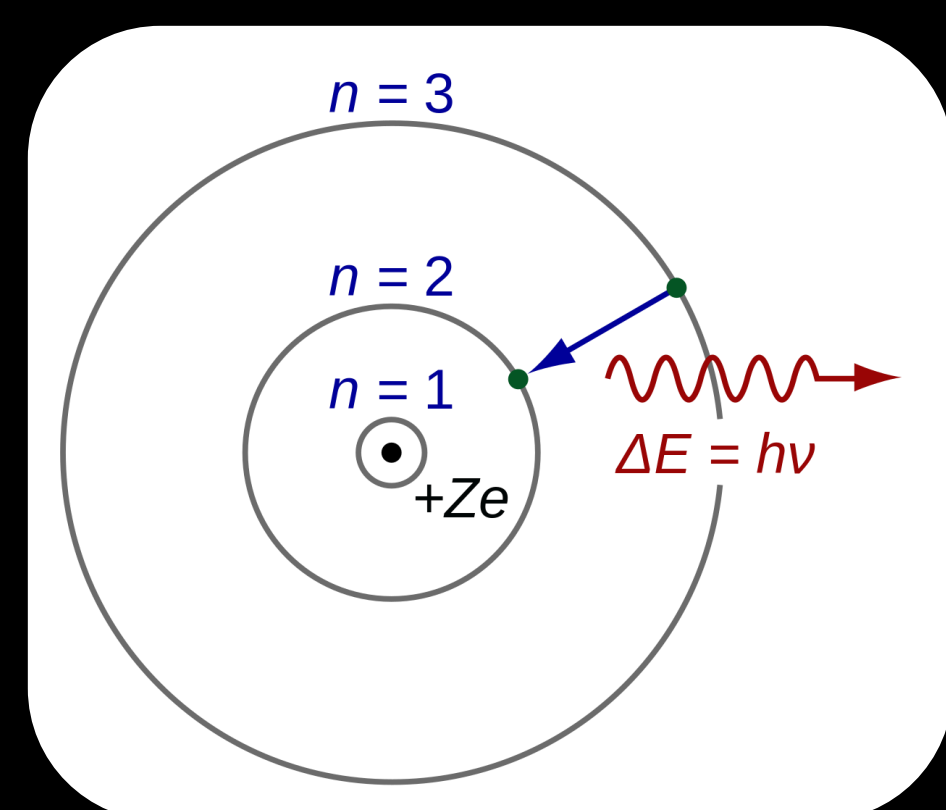
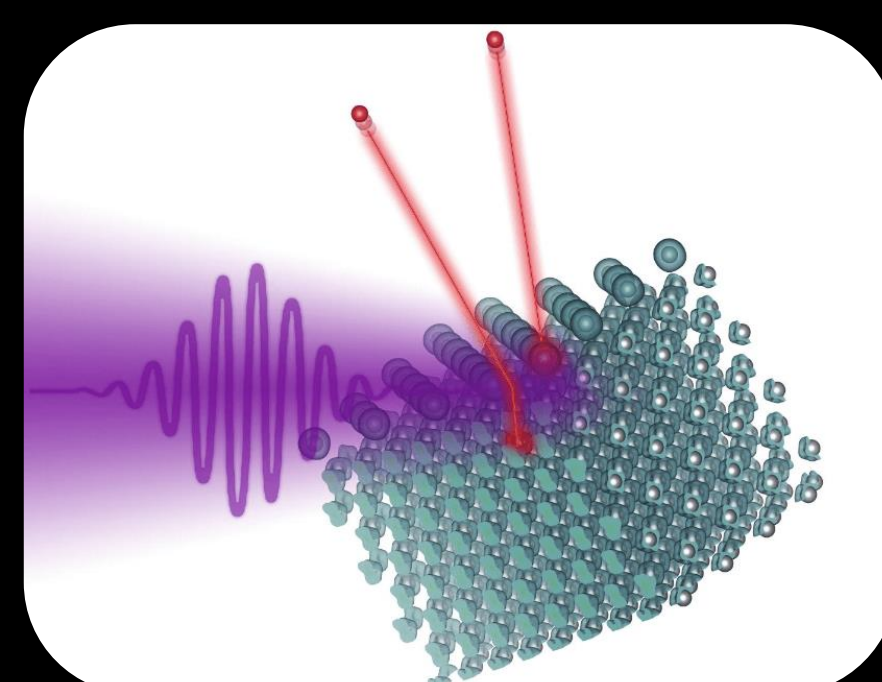
Werner Heisenberg, Max Born e Pascual Jordan
Formulazione matriciale della Meccanica Quantistica
1925

Werner Heisenberg
Principio di indeterminazione
Davisson e Germer
Diffrazione di elettroni
1927

1885
Johann Balmer
Spettro a righe dell'idrogeno

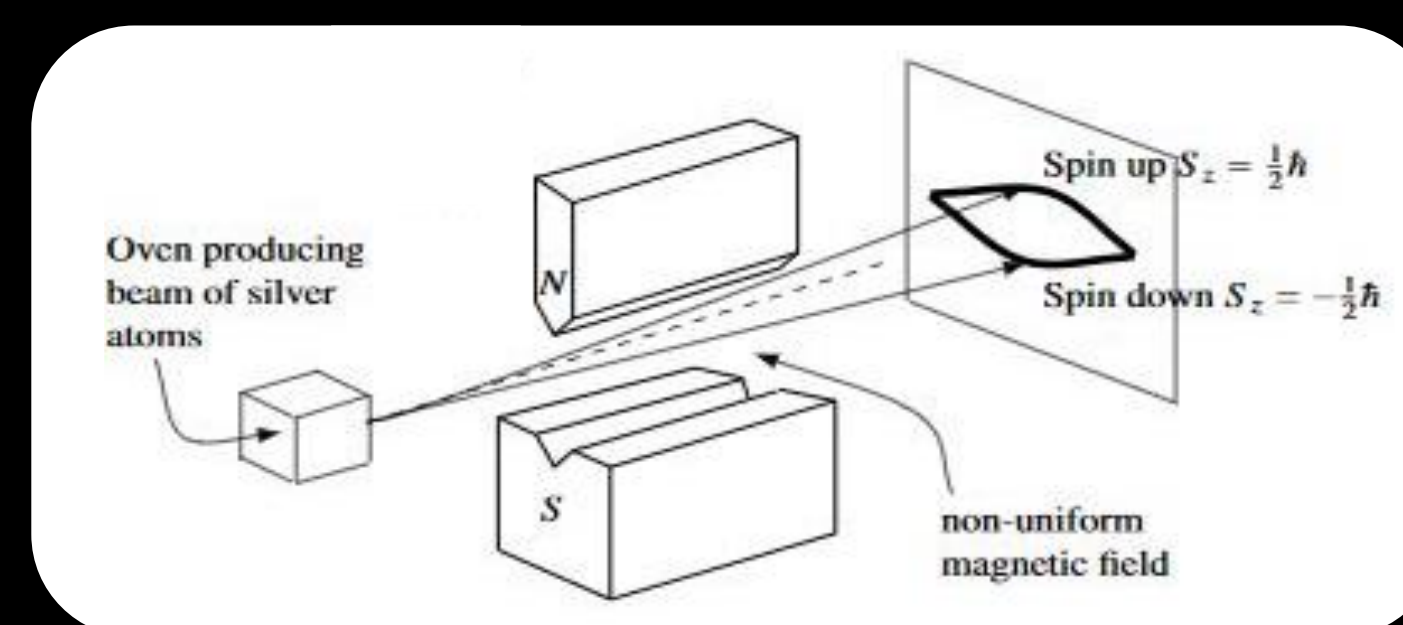


1905
Albert Einstein
Effetto fotoelettrico



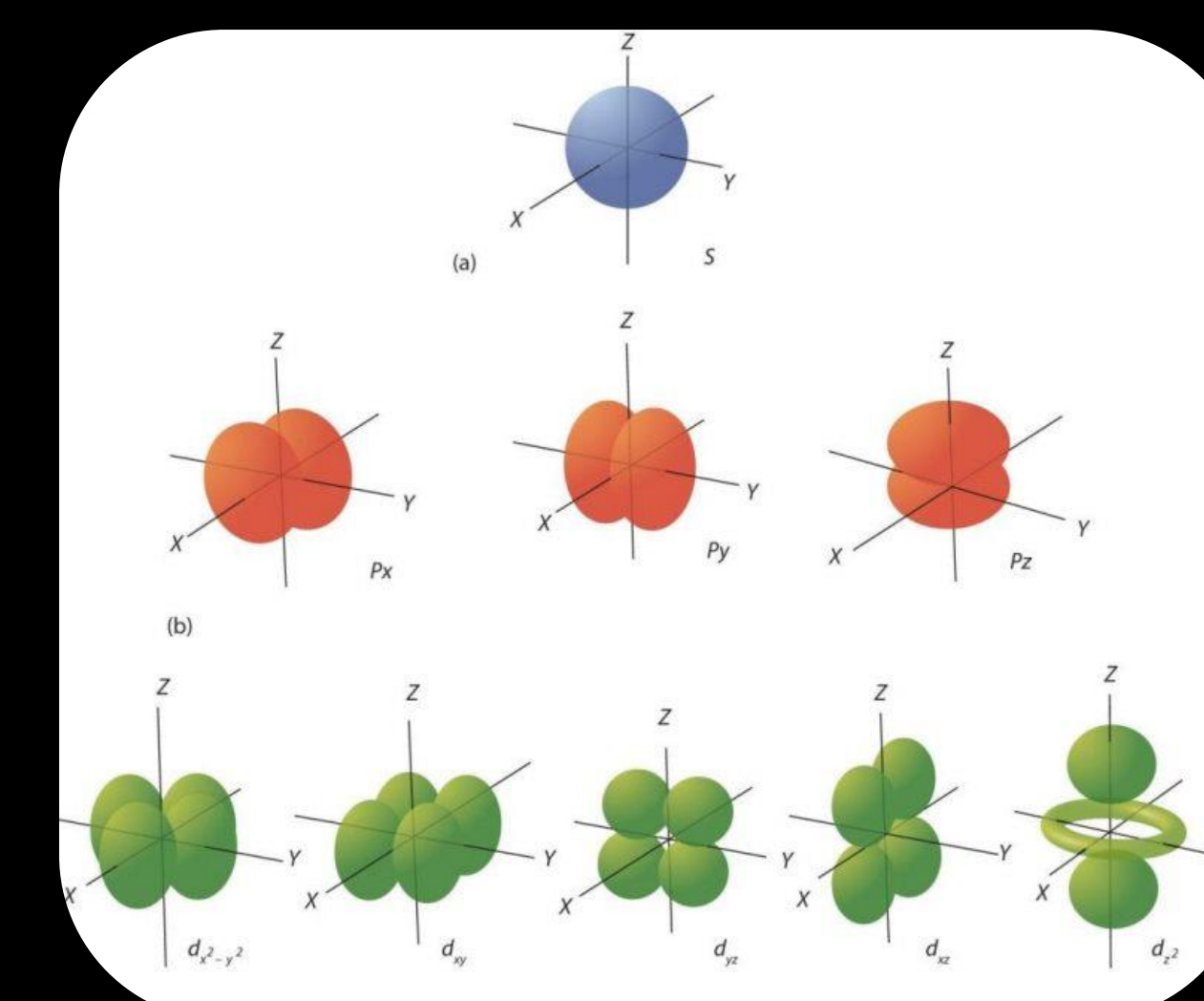
1913
Niels Bohr
Modello atomico

1922
Otto Stern and Walther Gerlach
Misura dello spin dell'elettrone



1924
Satyendranath Bose
Statistica di Bose-Einstein
Louis De Broglie
Lunghezza d'onda dell'elettrone

$$\lambda = \frac{h}{p}$$



1926
Erwin Schrödinger
Equazione di Schrödinger

$$i\hbar \frac{\partial \Psi}{\partial t} = \hat{H} \Psi$$

