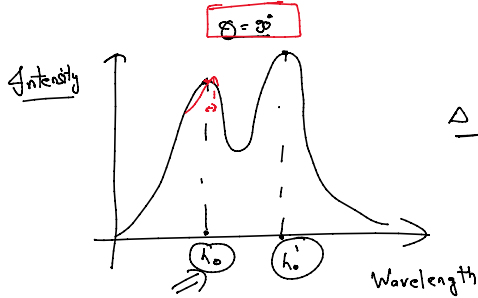


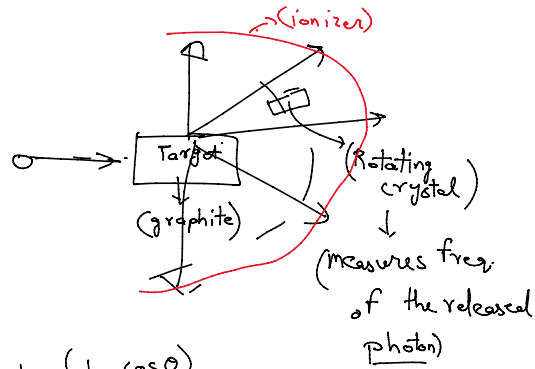
Compton Effect

- Rotating crystal \rightarrow
- Ionizer \rightarrow measures intensity



$$\Delta h = h' - h_0 = \frac{h}{m_e c} (1 - \cos \theta)$$

$m_e c$
mass of electron



\rightarrow Need for X-rays

visible X-ray

$$\Delta h_1 = \Delta h_2$$

$$\frac{\Delta h_1}{h_{10}} \ll \left(\frac{\Delta h_2}{h_{20}} \right)$$

$$h_{20} \ll h_{10}$$

Stern-Gerlach Experiment

