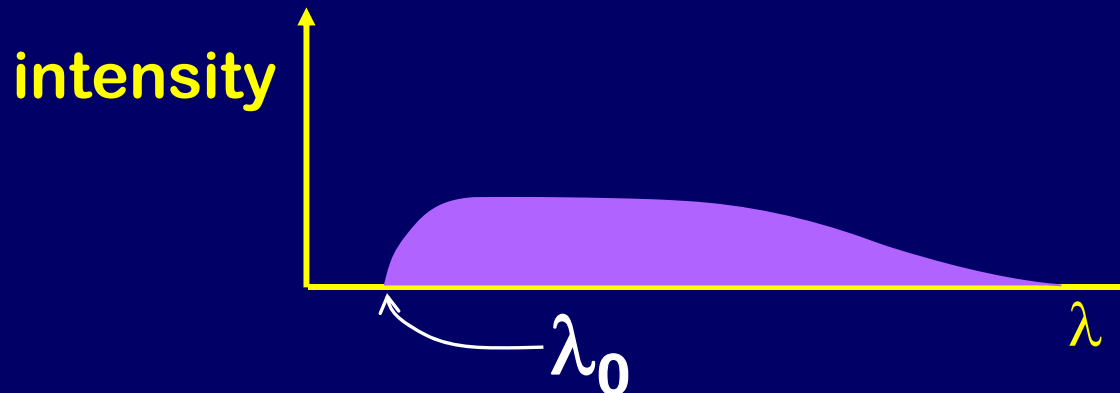


Bremsstrahlung X-Rays



- **Electron hits atom and slows down, losing kinetic energy.**
 - Energy emitted as photon
- **Electron hitting atom makes many photons (X-Rays), all with different energy.**
 - Many different wavelengths.



- **If all of electron's energy is lost to a single photon, photon has maximum energy (minimum wavelength).**
 - Minimum X-Ray wavelength = λ_0 .