Bremsstrahlung Practice

Example

An electron is accelerated through 50,000 volts

What is the minimum wavelength photon it can produce when striking a target?

Minimum wavelength ⟺ **Maximum energy**

Electron loses ALL of its energy in one collision and emits one photon.

$$\lambda_0 = \frac{hc}{E} = \frac{1240}{50{,}000} = .0248 \text{ nm}$$