

Which of the following statements regarding X-ray spectra is incorrect?

A

X-rays are emitted when fast-moving electrons are rapidly decelerated by a metal target.

B

The minimum wavelength λ_{\min} of the X-ray spectra is dependent on the tube voltage used to accelerate the electrons striking the metal target.

C

The intensity spikes in the X-ray spectra are characteristic of the metal target material.

D

The K_{β} peaks are more intense than the K_{α} peaks as X-ray photons emitted when electrons transit from M shell to K shell have higher frequency.