

29 Electrons that are accelerated from rest through a potential difference of 30 kV are made to collide with a metal target to produce X-rays.

What is the shortest wavelength of the X-rays produced?

- A** 6.6×10^{-30} m
- B** 2.8×10^{-21} m
- C** 7.1×10^{-12} m
- D** 4.1×10^{-11} m