

Max. Marks: 4

Questions: 1

Q.1 Electrons of mass m with de-Broglie wavelength λ fall on the target in an X-ray tube. The cutoff wavelength (λ_0) of the emitted X-ray is

[NEET 2016 (Phase 2)]

$$(1) \lambda_0 = \frac{2mc\lambda^2}{h} \quad (2) \lambda_0 = \frac{2h}{mc}$$

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$$(3) \lambda_0 = \frac{2m^2 c^2 \lambda^3}{h^2} \quad (4) \lambda_0 = \lambda$$

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Scan or tap for the full solution



Ques.	1								
Ans.	1								