

30 A photon of wavelength 555.00 nm, measured to an accuracy of 0.01 nm.

What is the minimum uncertainty in the location of the photon?

A $6.6 \times 10^{-23} \text{ m}$

B $1.0 \times 10^{-11} \text{ m}$

C $3.1 \times 10^{-2} \text{ m}$

D $3.0 \times 10^{-1} \text{ m}$

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