30 A proton has a kinetic energy of 1.00 MeV. If its momentum is measured with an uncertainty of 1.00 %, what is the minimum uncertainty in its position?

A 1.23×10^{-10} m   **B** 2.87×10^{-12} m   **C** 5.71×10^{-13} m   **D** 4.14×10^{-19} m

End of paper