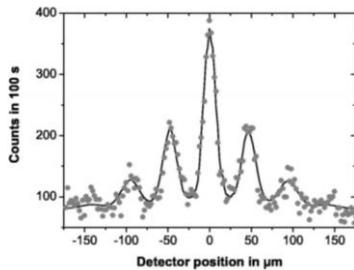


- 29** The figure below shows the experimental results of a double-slit experiment performed using buckminsterfullerenes or buckyballs for short, which are actually spherically arranged molecules of carbon 60 (C_{60}).



If neutrons, each of mass 720 times less than a buckyball with the same kinetic energies as the buckyballs are used to do the experiment, the fringe spacing will

- A** increase by 720 times
- B** increase by $\sqrt{720}$ times
- C** decrease by 720 times
- D** decrease by $\sqrt{720}$ times