

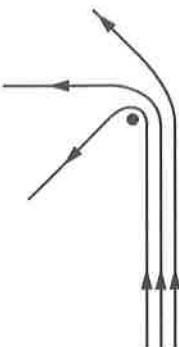
- 27 A beam consisting of  $\alpha$ -particles all travelling at the same speed is directed towards a gold nucleus.

Which diagram best represents the paths of the  $\alpha$ -particles scattered by this gold nucleus?

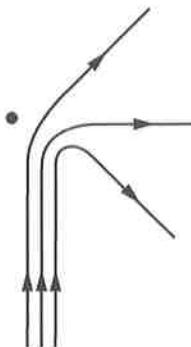
A



B



C



D

