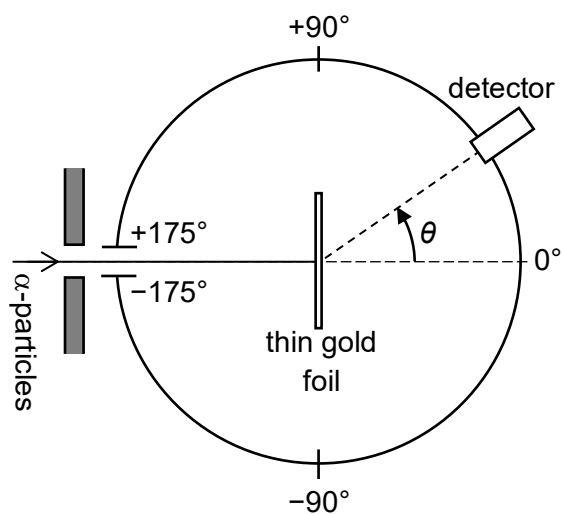


- 28 In an  $\alpha$ -particle scattering experiment, a student set up the apparatus below to determine the number  $N$  of  $\alpha$ -particle incident per unit time on a detector held at various angles  $\theta$ .



Which graph best represents the variation of  $N$  with  $\theta$ ?

