

5 A high-energy proton can interact with a photon to produce two particles.

Which of the following could be the two particles produced?

☐ **A** $n + \pi^0$

☐ **B** $n + \pi^+$

☐ **C** $\pi^0 + \pi^+$

☐ **D** $\pi^- + \pi^+$

(Total for Question 5 = 1 mark)