

10 Which of the following particle equations is correct for the decay of a proton within a nucleus?

☐ **A** $p \rightarrow n + \beta^+$

☐ **B** $p \rightarrow p + \beta^+$

☐ **C** $p \rightarrow n + \beta^+ + \nu$

☐ **D** $p \rightarrow p + \beta^+ + \nu$

(Total for Question 10 = 1 mark)