

**40** A  ${}^{238}_{92}\text{U}$  nucleus decays in two stages to a  ${}^{234}_{91}\text{Pa}$  nucleus.

What was emitted in these two stages?

**A**  $\alpha + \beta$

**B**  $\alpha + \gamma$

**C**  $\beta + \beta$

**D**  $\beta + \gamma$