Reading Decay Particles After a Field Reversal

Scoring guide · one credit per question · review written work against each rubric

Reading Decay Particles After a Field Reversal

Question 1

Choice (3)

The neutral photon does not deflect in the field in this model.

Question 2

P bends up and is positive, fitting alpha. Q bends down and is negative, fitting beta minus. The sizes alone do not describe charge sign and are also influenced by particle motion.

Question 3

P switches from +4 to −4. Q switches from −4 to +4. R remains at zero.

Question 4

It would show four for both charged traces and zero for R. It would lose the bend direction needed to separate the alpha and beta-minus particles in this test.