

Warm-up question 1

At an $e^+ e^-$ collider we want to study the nature of hadrons.

Which statements are correct?

- A) We will not observe any jets because leptons do not interact strongly.
- B) If we chose a clever combination of detectors and magnetic fields, we can measure the isospin of particles
- C) The standard model assumes an $SU(3)$ flavour symmetry for the strong interaction.
- D) The $SU(3)$ flavour symmetry is an approximate symmetry only since the masses of Kaons are different from those of pions.