

CP asymmetries corresponding to the imaginary parts of the interference terms in cascade decays of heavy hadrons

A mechanism of generating CP violation through the imaginary part of the interference of two amplitudes is proposed. This mechanism has shown clear evidence in decays such as $B^\pm \rightarrow \pi^\pm \pi^+ \pi^-$. The proposed mechanism is helpful in searching for CP violation in bottom and charmed baryon decay processes.

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