

DISCRETE '08: Symposium on Prospects in the Physics of Discrete Symmetries



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Tests of T and CPT symmetries at B factories

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We present tests of T and CPT symmetries from the asymmetric-energy B factories (Babar and Belle). We report the results of constraints on the CPT violation parameter z in $B^0 - \bar{B}^0$ flavor oscillations. Results integrated over time and as a function of the Earth's sidereal time are presented using inclusive dilepton events. Constraints on z from a joint analysis of CP and flavor eigenstates are also presented. Finally, we present precision measurements of the τ^+ , τ^- mass difference.

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