

# DISCRETE 2014: Fourth Symposium on Prospects in the Physics of Discrete Symmetries



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## Recent BaBar results

*Tuesday 2 December 2014 17:00 (30 minutes)*

We present a selection of recent results obtained by using the data collected with the BaBar detector at the PEP-II  $e^+e^-$  B-factory, with particular emphasis on measurements probing the discrete symmetries in beauty and charm decays. These include the measurements of partial decay rates and CP asymmetries of the inclusive decays  $B \rightarrow X_s l^+ l^-$  and  $B \rightarrow X_s \gamma$ ; searches for lepton number violation in several  $B^+ \rightarrow X^- l^+ l^+$  decays (where  $l = e, \mu$  and  $X^-$  is a charged hadron); and studies of semi-leptonic decays to measure the sides of the Unitarity Triangle.

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