

## Right-handed current contributions in $B \rightarrow K \pi$ decays

*Wednesday 22 February 2012 17:00 (2 hours)*

The current measurements of CP asymmetries in  $B \rightarrow K \pi$  decays are in disagreement with the predictions of the Standard Model. In order to solve this discrepancy, using the effective Hamiltonian approach, we investigate the right-handed current contributions to  $B \rightarrow K \pi$  decay amplitudes including all possible low-energy operators in the nonmanifest left-right model. We find the allowed region of new physics parameters satisfying the current experimental data, and discuss its implication to other observables such as  $B_s$  mixing and the branching fraction for  $B \rightarrow \tau \nu$  decays.

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**Session Classification:** Poster Session