

$B \rightarrow X_s \gamma$ study using hadronic tagging method

We present an inclusive study on the measurement of the branching fraction of the radiative B meson decay $B \rightarrow X_s \gamma$, using the full data sample collected with the Belle detector at the KEKB asymmetric-energy e^+e^- collider, corresponding to 753×10^6 $B\bar{B}$ pairs. One of the B mesons in the $\Upsilon(4S) \rightarrow B\bar{B}$ decay is fully reconstructed in hadronic modes, and the radiative photon is sought in the decay of the other B meson. We plan to obtain the CP asymmetry and the isospin asymmetry according to the measured photon energy spectrum.

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