

Hanjin Kim (Yonsei University)

Title: $B \rightarrow X_s \gamma$ 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 722×10^6 $B\bar{B}$ pairs.

One of the B mesons in the $Y(4S) \rightarrow B\bar{B}$ 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.