

A Study of $B \rightarrow l^+ \tau^-$ with hadronic tagging method at Belle experiment

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We present the study of the leptonic B-meson decay, $B \rightarrow l^+ \tau^-$ from Belle experiment. This study is done by using MC sample which corresponds to an integrated luminosity of 711 fb^{-1} , from which contains approximately 771×10^6 BB pair events. They are tagged by hadronic tagging method. We optimized all event variables cuts to obtain best result. We can get the result of Expected Branching Fraction Upper Limits as a few times 10^{-5} . In this study, the systematic uncertainty is not considered.

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