

Updated measurements of hadronic B decays at CDF

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We present the updated analysis of B_d , B_s , and Λ_b decays into charmless two-body final states using 6/fb of data collected by the CDF experiment. We report the first evidence for the pure-annihilation decay $B_s \rightarrow \pi^+ \pi^-$ and improved limits on the $B_d \rightarrow K^+ K^-$ branching ratio. We also report the first measurement of branching fractions and CP-violating asymmetries of doubly-Cabibbo suppressed $B^+ \rightarrow D^0 K$ decays in hadron collisions, using the approach proposed by Atwood, Dunietz, and Soni (ADS) to infer information on the CKM angle γ in 7.0 fb⁻¹ of data. The relevant parameters are determined with accuracy competitive with best B factory measurements.

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