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Measurement of b Quark Fragmentation Fractions in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV KAREN GIBSON, Carnegie-Mellon, CDF COLLABORATION
— Using $p\bar{p}$ collision data at $\sqrt{s} = 1.96$ TeV collected with the CDF II experiment at the Fermilab Tevatron collider, we present measurements of the fragmentation fractions f_u , f_d , f_s and f_{baryon} of produced b quarks that yield B^+ , B^0 , B^0_s and Λ_b hadrons. Using a data sample enriched in semileptonic B hadron decays, we reconstruct five lepton-charm final states, ℓD^0 , ℓD^+ , ℓD^{*+} , ℓD_s^+ and $\ell \Lambda_c$ to obtain precise measurements of f_u/f_d , $f_s/(f_u + f_d)$ and $f_{baryon}/(f_u + f_d)$.

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