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Same-Side Flavor-Tagging in B_s Decays at D0 ALEXANDER RAKITIN, Lancaster University, D0 COLLABORATION — A same-side tagging method is applied to determine the $b/\bar{b}$-quark flavor of B_s-mesons at the time of production in proton-antiproton collisions. The performance of the method is determined using Monte Carlo techniques. The verification of the method is performed on real $B^{\pm} \to J/\psi K^{\pm}$ events and Monte Carlo samples. The same-side tagging method is combined with opposite-side tagging to take into account all the available information about initial B_s meson flavor. The analysis serves as a foundation for application of the same-side tagging method to B_s-meson data samples.

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