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New suppressed decays of B0_s mesons

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We present new measurements of suppressed decays of the B0s meson to J/ψ final states at CDF. Using a data sample corresponding to an integrated luminosity of 5 fb-1 of proton-antiproton collisions at sqrt(s)=1.96 TeV, we utilize a low transverse-momentum dimuon trigger to acquire a large sample of J/ψ->μ+μ- decays. We form fully reconstructed B0s candidates using information from the central tracking system and present results on the following decay modes: B0s->J/ψ K*(892), B0s->J/ψ f0(980) and B0s->J/ψ K0s. All of these modes have the possibility of providing further information on lifetime difference and CP asymmetries in B0s decays.

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