

Abstract Submitted
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Search for New Decays of B mesons to Charmed Baryons at Belle¹

MARK FARINO, VLADIMIR SAVINOV, University of Pittsburgh, BELLE COLLABORATION — We search for new Cabibbo-suppressed decays of B mesons to neutral charmed baryons and report the current status of the analysis based on the full Belle data sample. These decays could be used to validate the models describing hadronic dynamics and, with a larger data sample, to search for baryon number violation arising via the charmed baryons oscillations. We discuss the analysis procedure, background suppression optimization, the approach used to separate between similar channels, and present preliminary results based on data.

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