

Study of baryonic decays of B mesons at BABAR

We report on recent searches for baryonic B decays using the whole BABAR dataset of 471 million B anti-B pairs. Although about 7% of all B decays have baryons in the final state, known exclusive decay modes account for only about 10% of these decays, and very little is known about the mechanism of baryon production in weak decays or in the hadronization process. By studying such decays we can learn more about these mechanisms. We will report on recent analyses of several baryonic B decays and their resonant substructure, including the study of s - \bar{s} suppression in such decays, the study of threshold enhancement in the invariant baryon-antibaryon mass, and the observation of the decay $B^0 \rightarrow \Lambda_c^+ \bar{p} K^-$.

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