

Observation of the rare baryonic decay $B \rightarrow p \bar{\Lambda}$ and measurement of the weak decay parameter

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Charmless two-body B-meson decays to baryon-antibaryon pairs serve as key probes for strong interaction dynamics and CP violation but remain underexplored. This is the first observation of the rare baryonic decay $B \rightarrow p \bar{\Lambda}$. The significantly improved branching fraction measurement and the first measurement of the weak decay parameter in this work are of great interests for testing theoretical calculations and understanding the properties of other charmless baryonic B decays

Primary authors: XIE, Yuehong (Central China Normal University); 王, 淦蓉 (CCNU)

Presenter: 王, 淦蓉 (CCNU)

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