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Observation of the decay Bs0->K0ppbar and measurement of the Bds->K0ppbar branching fractions

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A study of the charmless baryonic decays $B^0_{(s)} \to K^0 p \bar{p}$ is reported using 9 fb⁻¹ of LHCb data at 7, 8, and 13 TeV. The decay $B^0_s \to K^0 p \bar{p}$ is observed for the first time with a branching fraction of $(9.14 \pm 1.69 \pm 0.90 \pm 0.33 \pm 0.20) \times 10^{-7}$ and a significance of 5.6σ . For $B^0 \to K^0 p \bar{p}$, the branching fraction is measured as $(2.82 \pm 0.08 \pm 0.12 \pm 0.10) \times 10^{-6}$, representing the most precise determination to date.

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