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Title:	Measurements of branching fraction and direct CP asymmetry in $B_{\pm} \rightarrow K^0 S K^0 S K^{\pm}$ and a search for $B_{\pm} \rightarrow K^0 S K^0 S \pi^{\pm}$
Authors:	Bhardwaj, V. (/jspui/browse?type=author&value=Bhardwaj%2C+V.) Patra, S. (/jspui/browse?type=author&value=Patra%2C+S.)
Keywords:	Measurements KEKB Asymmetric-energy
Issue Date:	2019
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Citation:	Physical Review D,99(3).
Abstract:	We study charmless hadronic decays of charged B mesons to the final states $K^0 S K^0 S K^{\pm}$ and $K^0 S K^0 S \pi^{\pm}$ using a 711 fb^{-1} data sample that contains $772 \times 10^6 B^+ B^-$ pairs and was collected at the $Y(4S)$ resonance with the Belle detector at the KEKB asymmetric-energy e^+e^- collider. For $B_{\pm} \rightarrow K^0 S K^0 S K^{\pm}$, the measured branching fraction and direct CP asymmetry are $[10.42 \pm 0.43(\text{stat}) \pm 0.22(\text{syst})] \times 10^{-6}$ and $[+1.6 \pm 3.9(\text{stat}) \pm 0.9(\text{syst})]\%$, respectively. In the absence of a statistically significant signal for $B_{\pm} \rightarrow K^0 S K^0 S \pi^{\pm}$, we obtain a 90% confidence-level upper limit on its branching fraction as 8.7×10^{-7} .
Description:	Only IISERM authors are available in the record.
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