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Title:	Search for $\Omega(2012) \rightarrow K \Xi(1530) \rightarrow K \pi \Xi$ at Belle
Authors:	Bhardwaj, V. (/jspui/browse?type=author&value=Bhardwaj%2C+V.)
Keywords:	Collisions Molecule Credibility
Issue Date:	2019
Publisher:	American Physical Society
Citation:	Physical Review D, 100(3).
Abstract:	Using data samples of e^+e^- collisions collected at the $Y(1S)$, $Y(2S)$, and $Y(3S)$ resonances with the Belle detector, we search for the three-body decay of the $\Omega(2012)$ baryon to $K \pi \Xi$. This decay is predicted to dominate for models describing the $\Omega(2012)$ as a $K \Xi(1530)$ molecule. No significant $\Omega(2012)$ signals are observed in the studied channels, and 90% credibility level upper limits on the ratios of the branching fractions relative to $K \Xi$ decay modes are obtained.
Description:	Only IISERM authors are available in the record.
URI:	https://journals.aps.org/prd/abstract/10.1103/PhysRevD.100.032006 (https://journals.aps.org/prd/abstract/10.1103/PhysRevD.100.032006) http://hdl.handle.net/123456789/1895 (http://hdl.handle.net/123456789/1895)
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