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Title:	Search for the lepton-flavor-violating decay $B^0 \rightarrow K^*0 \mu^\pm e^\mp$
Authors:	Bhardwaj, V. (/jspui/browse?type=author&value=Bhardwaj%2C+V.)
Keywords:	Lepton-flavor Violating decay $B^0 \rightarrow K^*0 \mu^\pm e^\mp$
Issue Date:	2018
Publisher:	American Physical Society
Citation:	Physical Review D, 98(7).
Abstract:	We have searched for the lepton-flavor-violating decay $B^0 \rightarrow K^*0 \mu^\pm e^\mp$ using a data sample of 711 fb^{-1} that contains $772 \times 10^6 B^+ B^-$ pairs. The data were collected near the $\Upsilon(4S)$ resonance with the Belle detector at the KEKB asymmetric-energy e^+e^- collider. No signals were observed, and we set 90% confidence level upper limits on the branching fractions of $B(B^0 \rightarrow K^*0 \mu^+ e^-) < 1.2 \times 10^{-7}$, $B(B^0 \rightarrow K^*0 \mu^- e^+) < 1.6 \times 10^{-7}$, and, for both decays combined, $B(B^0 \rightarrow K^*0 \mu^\pm e^\mp) < 1.8 \times 10^{-7}$. These are the most stringent limits on these decays to date.
Description:	Only IISERM authors are available in the record.
URI:	https://journals.aps.org/prd/abstract/10.1103/PhysRevD.98.071101 (https://journals.aps.org/prd/abstract/10.1103/PhysRevD.98.071101) http://hdl.handle.net/123456789/1825 (http://hdl.handle.net/123456789/1825)
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