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Title:	Observation of Transverse Λ/‾Λ Hyperon Polarization in e+e− Annihilation at Belle
Authors:	Bhardwaj, V. (/jspui/browse?type=author&value=Bhardwaj%2C+V.)
Keywords:	Quantum Chromodynamics Hyperon Polarization
Issue Date:	2019
Publisher:	American Physical Society
Citation:	Physical Review Letters,122(4)
Abstract:	We report the first observation of the spontaneous polarization of Λ and ‾Λ hyperons transverse to the production plane in e+e− annihilation, which is attributed to the effect arising from a polarizing fragmentation function. For inclusive Λ/‾Λ production, we also report results with subtracted feed-down contributions from Σ0 and charm. This measurement uses a dataset of 800.4 fb−1 collected by the Belle experiment at or near a center-of-mass energy of 10.58 GeV. We observe a significant polarization that rises with the fractional energy carried by the Λ/‾Λ hyperon.
Description:	Only IISERM authors are available in the record.
URI:	https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.122.042001 (https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.122.042001) http://hdl.handle.net/123456789/2386 (http://hdl.handle.net/123456789/2386)
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