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Please use	this identifier to cite or link to this item: http://hdl.handle.net/123456789/3283
Title:	Search for Axionlike Particles Produced in e+e- Collisions at Belle II
Authors:	Bhardwaj, V. (/jspui/browse?type=author&value=Bhardwaj%2C+V.)
Keywords:	SuperKEKB pseudoscalar e+e- Collisions
Issue Date:	2020
Publisher:	American Physical Society
Citation:	Physical Review Letters, 125(16)
Abstract:	We present a search for the direct production of a light pseudoscalar a decaying into two photons with the Belle II detector at the SuperKEKB collider. We search for the process e+e- \rightarrow γ a, a \rightarrow $\gamma\gamma$ in the mass range 0.2 <ma<9.7 (445±3)="" (so-called="" 95%="" alps="" alps)="" an="" and="" are="" axionlike="" bosons="" c2="" confidence="" corresponding="" coupling="" data="" evidence="" extensions="" find="" for="" frequently="" ga<math="" gauge="" gev="" in="" integrated="" interacting="" level="" light="" limits="" luminosity="" model="" model.="" no="" of="" on="" or="" particles="" pb-1.="" postulated="" predominantly="" pseudoscalars="" set="" standard="" strength="" the="" to="" upper="" using="" we="" with="">\gamma\gamma of ALPs to photons at the level of 10-3 GeV-1. The limits are the most restrictive to date for 0.2<ma<1 c2.<="" gev="" td=""></ma<1></ma<9.7>
Description:	Only IISERM authors are available in the record.
URI:	https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.125.161806 (https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.125.161806) http://hdl.handle.net/123456789/3283 (http://hdl.handle.net/123456789/3283)
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