



# Library Indian Institute of Science Education and Research Mohali



**DSpace@IISERMohali (/jspui/)**  
**/ Publications of IISER Mohali (/jspui/handle/123456789/4)**  
**/ Research Articles (/jspui/handle/123456789/9)**

Please use this identifier to cite or link to this item: <http://hdl.handle.net/123456789/5086>

Title:	Search for the decay $B^0 \rightarrow \eta' K^0 S$
Authors:	Bhardwaj, Vishal (/jspui/browse?type=author&value=Bhardwaj%2C+Vishal) Patra, Sourav (/jspui/browse?type=author&value=Patra%2C+Sourav)
Keywords:	$B^0 \rightarrow \eta' K^0 S$ resonance
Issue Date:	2022
Publisher:	American Physical Society
Citation:	Physical Review D, 106(5), L051103.
Abstract:	We report the results of the first search for the decay $B^0 \rightarrow \eta' K^0 S$ using 121.4 fb <sup>-1</sup> of data collected at the $\Upsilon(5S)$ resonance with the Belle detector at the KEKB asymmetric-energy $e^+e^-$ collider. We observe no signal and set a 90% confidence-level upper limit of $8.16 \times 10^{-6}$ on the $B^0 \rightarrow \eta' K^0 S$ branching fraction.
Description:	Only IISER Mohali authors are available in the record.
URI:	<a href="https://doi.org/10.1103/PhysRevD.106.L051103">https://doi.org/10.1103/PhysRevD.106.L051103</a> ( <a href="https://doi.org/10.1103/PhysRevD.106.L051103">https://doi.org/10.1103/PhysRevD.106.L051103</a> ) <a href="http://hdl.handle.net/123456789/5086">http://hdl.handle.net/123456789/5086</a> ( <a href="http://hdl.handle.net/123456789/5086">http://hdl.handle.net/123456789/5086</a> )
Appears in Collections:	Research Articles (/jspui/handle/123456789/9)

Files in This Item:

File	Description	Size	Format	
Need to add pdf.docx (/jspui/bitstream/123456789/5086/1/Need%20to%20add%20pdf.docx)		9.74 kB	Microsoft Word XML	<a href="/jspui/bitstream/123456789/5086/1/Need%20to%20add%20pdf.docx">View/Open (/jspui/bitstream/123456789/5086/1/Need%20to%20add%20pdf.docx)</a>

[Show full item record \(/jspui/handle/123456789/5086?mode=full\)](/jspui/handle/123456789/5086?mode=full)

[📊 \(/jspui/handle/123456789/5086/statistics\)](/jspui/handle/123456789/5086/statistics)

Items in DSpace are protected by copyright, with all rights reserved, unless otherwise indicated.