



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/123456789/1948>

Title:	Search for $B^0 \rightarrow X(3872) \gamma$
Authors:	Patra, S. (/jspui/browse?type=author&value=Patra%2C+S.)
Keywords:	Luminosity Asymmetric-energy Energy
Issue Date:	2019
Publisher:	American Physical Society
Citation:	Physical Review D, 100(1).
Abstract:	We report the results of a search for the decay $B^0 \rightarrow X(3872) (\rightarrow J/\psi \pi^+ \pi^-) \gamma$. The analysis is performed on a data sample corresponding to an integrated luminosity of 711 fb^{-1} and containing $772 \times 10^6 B^+ B^-$ pairs, collected with the Belle detector at the KEKB asymmetric-energy $e^+ e^-$ collider running at the $\Upsilon(4S)$ resonance energy. We find no evidence for a signal and place an upper limit of $B(B^0 \rightarrow X(3872) \gamma) \times B(X(3872) \rightarrow J/\psi \pi^+ \pi^-) < 5.1 \times 10^{-7}$ at 90% confidence level.
Description:	Only IISERM authors are available in the record.
URI:	https://journals.aps.org/prd/abstract/10.1103/PhysRevD.100.012002 (https://journals.aps.org/prd/abstract/10.1103/PhysRevD.100.012002) http://hdl.handle.net/123456789/1948 (http://hdl.handle.net/123456789/1948)
Appears in Collections:	Research Articles (/jspui/handle/123456789/9)

Files in This Item:

File	Description	Size	Format	
Need to add pdf.odt (/jspui/bitstream/123456789/1948/1/Need%20to%20add%20pdf.odt)		8.63 kB	OpenDocument Text	View/Open (/jspui/bitstream/123456789/1948/1/Need%20to%20add%20pdf.odt)

[Show full item record \(/jspui/handle/123456789/1948?mode=full\)](#)

[Statistics \(/jspui/handle/123456789/1948/statistics\)](#)

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