



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/123456789/4890>

Title:	(2021). Measurement of the energy dependence of the $e^+e^- \rightarrow BB^-, BB^* \text{ and } B^*B^*$ exclusive cross sections.
Authors:	Patra, Sourav (/jspui/browse?type=author&value=Patra%2C+Sourav)
Keywords:	e +e - Experiments Particle and resonance production Spectroscopy Quarkonium
Issue Date:	2021
Publisher:	Springer Nature
Citation:	Journal Of High Energy Physics, (6).
Abstract:	We report the first measurement of the exclusive cross sections $e^+e^- \rightarrow BB^-, e^+e^- \rightarrow BB^*, \text{ and } e^+e^- \rightarrow B^*B^*$ in the energy range from 10.63 GeV to 11.02 GeV. The B mesons are fully reconstructed in a large number of hadronic final states and the three channels are identified using a beam-constrained-mass variable. The shapes of the exclusive cross sections show oscillatory behavior with several maxima and minima. The results are obtained using data collected by the Belle experiment at the KEKB asymmetric-energy e^+e^- collider.
Description:	Only IISER Mohali authors are available in the record.
URI:	http://dx.doi.org/10.1007/JHEP06(2021)137 (http://dx.doi.org/10.1007/JHEP06(2021)137) http://hdl.handle.net/123456789/4890 (http://hdl.handle.net/123456789/4890)
Appears in Collections:	Research Articles (/jspui/handle/123456789/9)

Files in This Item:

File	Description	Size	Format	
Need to add pdf (1).odt (/jspui/bitstream/123456789/4890/1/Need%20to%20add%20pdf%20%281%29.odt)		8.63 kB	OpenDocument Text	View/Open (/jspui/bi

[Show full item record \(/jspui/handle/123456789/4890?mode=full\)](#)

[// \(/jspui/handle/123456789/4890/statistics\)](#)

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