



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/123456789/1945>

Title:	Inclusive study of bottomonium production in association with an η meson in e^+e^- annihilations near $Y(5S)$
Authors:	Bhardwaj, V. (/jspui/browse?type=author&value=Bhardwaj%2C+V.)
Keywords:	Bottomonium production e^+e^- annihilations $Y(5S)$
Issue Date:	2018
Publisher:	Springer Ltd
Citation:	European Physical Journal C, 78(8).
Abstract:	We study bottomonium production in association with an η meson in e^+e^- annihilations near the $Y(5S)$, at a centre-of-mass energy of $\sqrt{s}=10.866$ GeV. The results are based on the 121.4 fb $^{-1}$ data sample collected by the Belle experiment at the asymmetric-energy KEKB collider. Only the η meson is reconstructed and the missing-mass spectrum of η candidates is investigated. We observe the $e^+e^- \rightarrow \eta Y(1D)$ process and find evidence for the $e^+e^- \rightarrow \eta Y(2S)$ process, while no significant signals of $Y(1S)$, $hb(1P)$, nor $hb(2P)$ are found. Cross sections for the studied processes are reported.
Description:	Only IISERM authors are available in the record.
URI:	https://link.springer.com/article/10.1140/epjc/s10052-018-6086-4 (https://link.springer.com/article/10.1140/epjc/s10052-018-6086-4) http://hdl.handle.net/123456789/1945 (http://hdl.handle.net/123456789/1945)
Appears in Collections:	Research Articles (/jspui/handle/123456789/9)

Files in This Item:

File	Description	Size	Format
Need to add pdf.odt (/jspui/bitstream/123456789/1945/1/Need%20to%20add%20pdf.odt)		7.99 kB	OpenDocument Text

[View/Open \(/jspui/bitstream/123456789/1945/1/Need%20to%20add%20pdf.odt\)](#)

[Show full item record \(/jspui/handle/123456789/1945?mode=full\)](#)

[Statistics \(/jspui/handle/123456789/1945/statistics\)](#)

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

