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Title:	Evidence for X (3872) $\rightarrow$ j/ $\psi$ $\pi$ + $\pi$ -produced in single-tag two-photon interactions.
Authors:	Bhardwaj, Vishal (/jspui/browse?type=author&value=Bhardwaj%2C+Vishal) Patra, Sourav (/jspui/browse?type=author&value=Patra%2C+Sourav)
Keywords:	Particle Production
Issue Date:	2021
Publisher:	American Physical Society
Citation:	Physical Review Letters, 126(12).
Abstract:	lectron or the positron in the final state, exploring the highly virtual photon region. The search is performed in epe- $\rightarrow$ epe-J= $\psi\pi p\pi$ -, using 825 fb-1 of data collected by the Belle detector operated at the KEKB epe- collider. We observe three Xŏ3872Þ candidates, where the expected background is 0.11 0.10 events, with a significance of 3.2σ. We obtain an estimated value for Γ^ γγB(Xŏ3872Þ $\rightarrow$ J= $\psi\pi p\pi$ -) assuming the Q2 dependence predicted by a cc meson model, where -Q2 is the invariant mass squared of the virtual photon. No Xŏ3915Þ $\rightarrow$ J= $\psi\pi p\pi$ - candidates are found
Description:	Only IISER Mohali authors are available in the record.
URI:	https://doi.org/10.1103/PhysRevLett.126.122001
	(https://doi.org/10.1103/PhysRevLett.126.122001)
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