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Title:	Observation of Ξ (1620)0 and Evidence for Ξ (1690)0 in Ξ +c \to Ξ - π + π + Decays
Authors:	Bhardwaj, V. (/jspui/browse?type=author&value=Bhardwaj%2C+V.)
Keywords:	Mass
	Measured
	Width
Issue Date:	2019
Publisher:	American Physical Society
Citation:	Physical Review Letters, 122(7).
Abstract:	We report the first observation of the double strange baryon Ξ (1620)0 in its decay to $\Xi - \pi + via$ $\Xi + c \rightarrow \Xi - \pi + \pi +$ decays based on a 980 fb-1 data sample collected with the Belle detector at the
	KEKB asymmetric-energy e+e- collider. The mass and width are measured to be
	1610.4±6.0(stat)+6.1-4.2 (syst) MeV/c2 and 59.9±4.8(stat)+2.8-7.1(syst) MeV, respectively. We
	obtain 4.0σ evidence of the Ξ(1690)0 with the same data sample. These results shed light on the structure of hyperon resonances with strangeness S=-2.
	Suddition of hyperon resonances with strangeness 02.
URI:	https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.122.072501
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	http://hdl.handle.net/123456789/2213 (http://hdl.handle.net/123456789/2213)
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