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Title:	Observation of Y(4S)→n'Y(1S
Authors:	Bhardwaj, V. (/jspui/browse?type=author&value=Bhardwaj%2C+V.)
Keywords:	Physics
	Asymmetric energy
	Belle detectors
	E+e- collider
	Atomic physics
	$Y(4S) \rightarrow \eta' Y(1S)$
Issue Date:	2018
Publisher:	American Physical Society
Citation:	Physical Review Letters, 121(6).
Abstract:	We report the first observation of the hadronic transition Y(4S) \rightarrow η Y(1S), using 496 fb-1 data collected at the Y(4S) resonance with the Belle detector at the KEKB asymmetric-energy e+e-collider. We reconstruct the η' meson through its decays to ρ 0 γ and to π + π - η , with η - $\gamma\gamma$. We measure B(Y(4S) \rightarrow η Y(1S))=[3.43±0.88(stat)±0.21(syst)]×10-5, with a significance of 5.7 σ .
Description:	Only IISERM authors are available in the record.
URI:	https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.121.062001
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