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Title:	Search for X Y Z states in Y (1 S) inclusive decays
Authors:	Bhardwaj, V. (/jspui/browse?type=author&value=Bhardwaj%2C+V.)
Keywords:	Decays Precision Branching Fractions
Issue Date:	2016
Publisher:	American Physical Society
Citation:	Physical Review D,93(11).
Abstract:	The branching fractions of the Y (1 S) inclusive decays into final states with a J / ψ or a ψ (2 S) are measured with improved precision to be B (Y (1 S) → J / ψ + anything) = (5.25 ± 0.13 (stat) ± 0.25 (syst)) × 10^{-4} and B (Y (1 S) → ψ (2 S) + anything) = (1.23 ± 0.17 (stat) ± 0.11 (syst)) × 10^{-4} . The first search for Y (1 S) decays into X Y Z states that decay into a J / ψ or a ψ (2 S) plus one or two charged tracks yields no significant signals for X Y Z states in any of the examined decay modes, and upper limits on their production rates in Y (1 S) inclusive decays are determined.
Description:	Only IISERM authors are available in the record.
URI:	https://journals.aps.org/prd/abstract/10.1103/PhysRevD.93.112013 (https://journals.aps.org/prd/abstract/10.1103/PhysRevD.93.112013) http://hdl.handle.net/123456789/2560 (http://hdl.handle.net/123456789/2560)
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