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Title:	Measurements of the absolute branching fractions of B + \rightarrow X cc̄ K + and B + \rightarrow D̄ (*)0 π + at Belle
Authors:	Bhardwaj, V. (/jspui/browse?type=author&value=Bhardwaj%2C+V.)
Keywords:	Branching fractions Measurements Belle detector
Issue Date:	2018
Publisher:	American Physical Society
Citation:	Physical Review D, 97(1)
Abstract:	We present the measurement of the absolute branching fractions of B+ \rightarrow Xcc̄K+ and B+ \rightarrow D(*)0 π + decays, using a data sample of 772×106 BB pairs collected at the (4S) resonance with the Belle detector at the KEKB asymmetric-energy e+e- collider. Here, Xcc̄ denotes η c, J/ ψ , χ c0, χ c1, η c(2S), ψ (2S), ψ (3770), X(3872), and X(3915). We do not observe significant signals for X(3872) or X(3915) and set the 90% confidence level upper limits at B(B+ \rightarrow X(3872)K+)<2.6×10-4 and B(B+ \rightarrow X(3915)K+)<2.8×10-4. These represent the most stringent upper limit for B(B+ \rightarrow X(3872)K+) to date and the first limit for B(B+ \rightarrow X(3915)K+). The measured branching fractions for η c and η c(2S) are the most precise to date, B(B+ \rightarrow η c(2S)K+)=(4.8±1.1±0.3)×10-4, where the first and second uncertainties are statistical and systematic, respectively
Description:	Only IISERM authors are available in the record.
URI:	https://journals.aps.org/prd/abstract/10.1103/PhysRevD.97.012005 (https://journals.aps.org/prd/abstract/10.1103/PhysRevD.97.012005) http://hdl.handle.net/123456789/2337 (http://hdl.handle.net/123456789/2337)
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