



$J^P = \frac{1}{2}^+$

OMITTED FROM SUMMARY TABLE

Ξ⁰_{bc} DECAY MODES

	Mode	Fraction (Γ _{<i>i</i>} /Γ)	Confidence level
Γ ₁	D ⁰ p K [−] × B(<i>b</i> → Ξ ⁰ _{bc})/B(<i>b</i> → Λ _{<i>b</i>})	<1.4 × 10 ^{−5}	95%

Ξ⁰_{bc} BRANCHING RATIOS

Γ(D ⁰ p K [−] × B(<i>b</i> → Ξ ⁰ _{bc})/B(<i>b</i> → Λ _{<i>b</i>}))/Γ _{total}					Γ ₁ /Γ
VALUE	CL%	DOCUMENT ID	TECN	COMMENT	
<1.4 × 10 ^{−5}	95	1,2 AAIJ	20AMLHCB	<i>pp</i> at 13 TeV	
¹ AAIJ 20AM reports upper limits for [Γ(Ξ ⁰ _{bc} → D ⁰ p K [−] × B(<i>b</i> → Ξ ⁰ _{bc})/B(<i>b</i> → Λ _{<i>b</i>}))/Γ _{total}] / [B(Λ ⁰ _{<i>b</i>} → p D ⁰ K [−])] < 3.0 × 10 ^{−1} –1.7 × 10 ^{−2} for the considered Ξ ⁰ _{bc} mass and lifetime hypotheses ranging from 6.7 to 7.2 GeV and from 100 to 500 fs. We use the 3.0 × 10 ^{−1} limit for the quoted result.					
² AAIJ 20AM reports [Γ(Ξ ⁰ _{bc} → D ⁰ p K [−] × B(<i>b</i> → Ξ ⁰ _{bc})/B(<i>b</i> → Λ _{<i>b</i>}))/Γ _{total}] / [B(Λ ⁰ _{<i>b</i>} → p D ⁰ K [−])] < 3.0 × 10 ^{−1} which we multiply by our best value B(Λ ⁰ _{<i>b</i>} → p D ⁰ K [−]) = 4.6 × 10 ^{−5} .					

Ξ⁰_{bc} REFERENCES

AAIJ	20AM JHEP 2011 095	R. Aaij <i>et al.</i>	(LHCb Collab.)
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