



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

OMMITTED FROM SUMMARY TABLE

Ξ_{bc}^0 DECAY MODES

Mode	Fraction (Γ_i/Γ)	Confidence level
$\Gamma_1 D^0 p K^- \times B(b \rightarrow \Xi_{bc}^0)/B(b \rightarrow \Lambda_b)$	$< 1.4 \times 10^{-5}$	95%

Ξ_{bc}^0 BRANCHING RATIOS

$\Gamma(D^0 p K^- \times B(b \rightarrow \Xi_{bc}^0)/B(b \rightarrow \Lambda_b)) / \Gamma_{\text{total}}$	Γ_1 / Γ
<u>VALUE</u>	<u>CL%</u>
$< 1.4 \times 10^{-5}$	95
1 AAIJ 20AM reports upper limits for $[\Gamma(\Xi_{bc}^0 \rightarrow D^0 p K^- \times B(b \rightarrow \Xi_{bc}^0)/B(b \rightarrow \Lambda_b)) / \Gamma_{\text{total}}] / [B(\Lambda_b^0 \rightarrow p D^0 K^-)] < 3.0 \times 10^{-1} - 1.7 \times 10^{-2}$ for the considered Ξ_{bc}^0 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.	20AM LHCb $p p$ at 13 TeV
2 AAIJ 20AM reports $[\Gamma(\Xi_{bc}^0 \rightarrow D^0 p K^- \times B(b \rightarrow \Xi_{bc}^0)/B(b \rightarrow \Lambda_b)) / \Gamma_{\text{total}}] / [B(\Lambda_b^0 \rightarrow p D^0 K^-)] < 3.0 \times 10^{-1}$ which we multiply by our best value $B(\Lambda_b^0 \rightarrow p D^0 K^-) = 4.5 \times 10^{-5}$.	

Ξ_{bc}^0 REFERENCES

AAIJ

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