

$\Lambda_c(2860)^+$  $I(J^P) = 0(\frac{3}{2}^+)$  Status: \*\*\* $\Lambda_c(2860)^+$  MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
$2856.1^{+2.0}_{-1.7} \pm 0.5^{+1.1}_{-5.6}$	<sup>1</sup> AAIJ	17S	LHCB in $\Lambda_b^0 \rightarrow D^0 p \pi^-$

<sup>1</sup> The third AAIJ 17S uncertainty comes from modeling the resonant shape of the nearby  $\Lambda_c(2880)^+$  and the background (non-resonant) amplitudes.

 $\Lambda_c(2860)^+$  WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
$67.6^{+10.1}_{-8.1} \pm 1.4^{+5.9}_{-20.0}$	<sup>1</sup> AAIJ	17S	LHCB in $\Lambda_b^0 \rightarrow D^0 p \pi^-$

<sup>1</sup> The third AAIJ 17S uncertainty comes from modeling the resonant shape of the nearby  $\Lambda_c(2880)^+$  and the background (non-resonant) amplitudes.

 $\Lambda_c(2860)^+$  DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \quad D^0 p$	seen

 $\Lambda_c(2860)^+$  BRANCHING RATIOS

$\Gamma(D^0 p)/\Gamma_{\text{total}}$	$\Gamma_1/\Gamma$		
VALUE	DOCUMENT ID	TECN	COMMENT
seen	AAIJ	17S	LHCB in $\Lambda_b^0 \rightarrow D^0 p \pi^-$

 $\Lambda_c(2860)^+$  REFERENCES

AAIJ	17S	JHEP 1705 030	R. Aaij <i>et al.</i>	(LHCb Collab.) JP
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