$\Lambda_c(2860)^+$

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

$\Lambda_c(2860)^+$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
$\mathbf{2856.1^{+2.0}_{-1.7}\pm0.5^{+1.1}_{-5.6}}$	[1] AAIJ	17S	LHCB	in $\Lambda_b^0 \to D^0 p\pi^-$

[1] 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*
$\mathbf{67.6^{+10.1}_{-8.1}\pm1.4^{+5.9}_{-20.0}}$	[1] AAIJ	17S	LHCB	in $\Lambda_b^0 \to D^0 p\pi^-$

[1] 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 (Γ_i/Γ)
Γ_1	$D^0 p$	seen

$\Lambda_c(2860)^+$ BRANCHING RATIOS

$\Gamma(D^0 p)/\Gamma_{\text{total}}$ **Γ_1/Γ**

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
seen	AAIJ	17S	LHCB	in $\Lambda_b^0 \to D^0 p\pi^-$

$\Lambda_c(2860)^+$ REFERENCES

AAIJ 17S JHEP 1705 030 R. Aaij *et al.* (LHCb Collab.) JP