NODE=B178

$\Lambda_c(2860)^+$

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

$\Lambda_c(2860)^+$ MASS

NODE=B178M

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

NODE=B178M

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

NODE=B178M;LINKAGE=A

$\Lambda_c(2860)^+$ WIDTH

NODE=B178W

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
$67.6^{+10.1}_{-8.1}\pm1.4^{+5.9}_{-20.0}$	[1] AAIJ	17S	LHCB	in $\Lambda_b^0 \to D^0 p\pi^-$

NODE=B178W

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

NODE=B178W;LINKAGE=A

$\Lambda_c(2860)^+$ DECAY MODES

NODE=B178215;NODE=B178

	Mode	Fraction (Γ_i/Γ)
Γ_1	$D^0 p$	seen

DESIG=1

$\Lambda_c(2860)^+$ BRANCHING RATIOS

NODE=B178225

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

NODE=B178R01

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

NODE=B178R01
OCCUR=4

$\Lambda_c(2860)^+$ REFERENCES

NODE=B178

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

REFID=57813