$P_{c\bar{c}}(4312)^+$

$I(J^P) = \frac{1}{2}(?^?)$ Status: ∗

OMITTED FROM SUMMARY TABLE
Was $P_c(4312)^+$.

$P_{c\bar{c}}(4312)^+$ MASS

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
$4311.9 \pm 0.7 {}^{+6.8}_{-0.6}$	AAIJ	19W	LHCB	pp at 7, 8, 13 TeV

$P_{c\bar{c}}(4312)^+$ WIDTH

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
$9.8 \pm 2.7 {}^{+3.7}_{-4.5}$	AAIJ	19W	LHCB	pp at 7, 8, 13 TeV

$P_{c\bar{c}}(4312)^+$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$J/\psi\, p$	seen

$P_{c\bar{c}}(4312)^+$ BRANCHING RATIOS

$\Gamma(J/\psi\, p)/\Gamma_{\text{total}}$ Γ_1/Γ

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
seen	246k	[1] AAIJ	19W	LHCB	pp at 7, 8, 13 TeV

• • • We do not use the following data for averages, fits, limits, etc. • • •

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
not seen	797	[2] AAIJ	22H	LHCB	pp at 7, 8, 13 TeV

[1] Amplitude analysis of $\Lambda_b^0 \to J/\psi\, p K^-$.

[2] Amplitude analysis of $B_s^0 \to J/\psi\, p \bar{p}$. AAIJ 22H finds evidence at just over 3 σ for a $J/\psi\, p$ structure at $4337^{+7}_{-4} \pm 2$ MeV.

$P_{c\bar{c}}(4312)^+$ REFERENCES

| AAIJ | 22H | PRL 128 062001 | R. Aaij *et al.* | (LHCb Collab.) |
| AAIJ | 19W | PRL 122 222001 | R. Aaij *et al.* | (LHCb Collab.) |