

$$P_{c\bar{c}}(4440)^+$$

$$I(J^P) = \frac{1}{2}(??) \quad \text{Status: } *$$

OMITTED FROM SUMMARY TABLE

Was  $P_c(4440)^+$ .

### $P_{c\bar{c}}(4440)^+$ MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
$4440.3 \pm 1.3^{+4.1}_{-4.7}$	AAIJ	19W	LHCB $pp$ at 7, 8, 13 TeV

### $P_{c\bar{c}}(4440)^+$ WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
$20.6 \pm 4.9^{+8.7}_{-10.1}$	AAIJ	19W	LHCB $pp$ at 7, 8, 13 TeV

### $P_{c\bar{c}}(4440)^+$ DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \quad J/\psi p$	seen

### $P_{c\bar{c}}(4440)^+$ BRANCHING RATIOS

$\Gamma(J/\psi p)/\Gamma_{\text{total}}$	DOCUMENT ID	TECN	COMMENT	$\Gamma_1/\Gamma$	
seen	<sup>1</sup> POPOV	21	D0	$p\bar{p}$ at 1.96 TeV	
seen	AAIJ	19W	LHCB	$pp$ at 7, 8, 13 TeV	

<sup>1</sup> Search for  $J/\psi$  inclusive production in association with a charged particle, assumed to be a proton. POPOV 21 observes a resonant signal consistent with a superposition of the  $P_{c\bar{c}}(4440)^+$  and  $P_{c\bar{c}}(4457)^+$ , using masses and widths measured by AAIJ 19W, at significance of  $3\sigma$ .

### $P_{c\bar{c}}(4440)^+$ REFERENCES

POPOV	21	PAN 83 1383	A.V. Popov <i>et al.</i>	(D0 Collab.)
AAIJ	19W	PRL 122 222001	R. Aaij <i>et al.</i>	(LHCb Collab.)