

**$P_c(4440)^+$**

Status: \*

**$P_c(4440)^+$  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

**$P_c(4440)^+$  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

**$P_c(4440)^+$  DECAY MODES**

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

**$P_c(4440)^+$  BRANCHING RATIOS**

$\Gamma(J/\psi p)/\Gamma_{\text{total}}$					$\Gamma_1/\Gamma$
VALUE	DOCUMENT ID	TECN	COMMENT		
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  $P_c(4440)^+$  and  $P_c(4457)^+$ , using masses and widths measured by AAIJ 19W, at significance of  $3\sigma$ .

**$P_c(4440)^+$  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.)