

**$P_c(4312)^+$**

Status: \*

**$P_c(4312)^+$  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

**$P_c(4312)^+$  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

**$P_c(4312)^+$  DECAY MODES**

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

**$P_c(4312)^+$  BRANCHING RATIOS**

$\Gamma(J/\psi p)/\Gamma_{\text{total}}$					$\Gamma_1/\Gamma$
VALUE	EVTS	DOCUMENT ID	TECN	COMMENT	
seen	246k	<sup>1</sup> AAIJ	19W LHCb	$pp$ at 7, 8, 13 TeV	
not seen	797	<sup>2</sup> AAIJ	22H LHCb	$pp$ at 7, 8, 13 TeV	

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

<sup>1</sup> Amplitude analysis of  $\Lambda_b^0 \rightarrow J/\psi p K^-$ .

<sup>2</sup> Amplitude analysis of  $B_s^0 \rightarrow J/\psi p \bar{p}$ . AAIJ 22H finds evidence at just over  $3\sigma$  for a  $J/\psi p$  structure at  $4337^{+7}_{-4} \pm 2$  MeV.

**$P_c(4312)^+$  REFERENCES**

AAIJ	22H	PRL 128 062001	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	19W	PRL 122 222001	R. Aaij <i>et al.</i>	(LHCb Collab.)