

$\Omega_c(3185)^0$  $I(J^P) = ?(?^?)$  Status: \*\*\* $\Omega_c(3185)^0$  MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
$3185 \pm 1.7^{+7.4}_{-0.9} \pm 0.2$	12k	<sup>1</sup> AAIJ	23AS LHCB	<i>pp</i> at 7, 8, 13 TeV

<sup>1</sup> The third uncertainty is due to the uncertainty in the  $\Xi_c^+$  mass, taken to be the PDG 22 fit result  $2467.71 \pm 0.23$  MeV.

 $\Omega_c(3185)^0$  WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
$50 \pm 7^{+10}_{-20}$	12k	AAIJ	23AS LHCB	<i>pp</i> at 7, 8, 13 TeV

 $\Omega_c(3185)^0$  DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \quad \Xi_c^+ K^-$	seen

 $\Omega_c(3185)^0$  BRANCHING RATIOS

$\Gamma(\Xi_c^+ K^-)/\Gamma_{\text{total}}$	$\Gamma_1/\Gamma$			
VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
<b>seen</b>	12k	<sup>1</sup> AAIJ	23AS LHCB	<i>pp</i> at 7, 8, 13 TeV

<sup>1</sup> AAIJ 23AS report a significance of  $12\sigma$ .

 $\Omega_c(3185)^0$  REFERENCES

AAIJ	23AS PRL 131 131902	R. Aaij <i>et al.</i>	(LHCb Collab.)
PDG	22 PTEP 2022 083C01	R.L. Workman <i>et al.</i>	(PDG Collab.)