

**$\Omega_c(3000)^0$**  $I(J^P) = ?(?)$  Status: \*\*\* **$\Omega_c(3000)^0$  MASS**

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b><math>3000.41 \pm 0.22</math> OUR AVERAGE</b>				
3000.7 $\pm 1.0$ $\pm 0.2$	38	YELTON	18B BELL	$e^+ e^-$ at $\gamma(4S)$
3000.4 $\pm 0.2$ $\pm 0.1$	1.3k	AAIJ	17AH LHCb	$p p$ at 7, 8, 13 TeV
$\bullet \bullet \bullet$ We do not use the following data for averages, fits, limits, etc. $\bullet \bullet \bullet$				
2999.2 $\pm 0.9$ $\pm 0.9^{+0.19}_{-0.22}$	24	<sup>1</sup> AAIJ	21AC LHCb	$p p$ at 7, 8, 13 TeV
<sup>1</sup> Measured via $\Omega_b^- \rightarrow \Omega_c^{**0} \pi^- \rightarrow \Xi_c^+ K^- \pi^-$ . The third uncertainty is due to the uncertainty in the $\Xi_c^+$ mass.				

 **$\Omega_c(3000)^0$  WIDTH**

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b><math>4.5 \pm 0.6 \pm 0.3</math></b>	1.3k	AAIJ	17AH LHCb	$p p$ at 7, 8, 13 TeV
$\bullet \bullet \bullet$ We do not use the following data for averages, fits, limits, etc. $\bullet \bullet \bullet$				
$4.8 \pm 2.1 \pm 2.5$	24	AAIJ	21AC LHCb	$p p$ at 7, 8, 13 TeV

 **$\Omega_c(3000)^0$  DECAY MODES**

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

 **$\Omega_c(3000)^0$  BRANCHING RATIOS**

$\Gamma(\Xi_c^+ K^-)/\Gamma_{\text{total}}$			$\Gamma_1/\Gamma$
VALUE	EVTS	DOCUMENT ID	COMMENT
seen	24	<sup>1</sup> AAIJ	21AC LHCb $p p$ at 7, 8, 13 TeV
seen	38	<sup>2</sup> YELTON	18B BELL $e^+ e^-$ at $\gamma(4S)$
<b>seen</b>	1.3k	<sup>3</sup> AAIJ	17AH LHCb $p p$ at 7, 8, 13 TeV
<sup>1</sup> AAIJ 21AC report a significance of 6.2 $\sigma$ .			
<sup>2</sup> YELTON 18B report a significance of 3.9 $\sigma$			
<sup>3</sup> AAIJ 17AH report a significance of 20.4 $\sigma$ .			

 **$\Omega_c(3000)^0$  REFERENCES**

AAIJ	21AC PR D104 L091102	R. Aaij <i>et al.</i>	(LHCb Collab.)
YELTON	18B PR D97 051102	J. Yelton <i>et al.</i>	(BELLE Collab.)
AAIJ	17AH PRL 118 182001	R. Aaij <i>et al.</i>	(LHCb Collab.)