

$\Omega_c(3090)^0$  $I(J^P) = ?(?^?)$  Status: \*\*\* $\Omega_c(3090)^0$  MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>3090.1±0.5 OUR AVERAGE</b>				
3091.0±1.1±1.0 <sup>+0.19</sup> <sub>-0.22</sub>	41	<sup>1</sup> AAIJ	21AC LHCB	$pp$ at 7, 8, 13 TeV
3089.3±1.2±0.2	87	YELTON	18B BELLE	$e^+e^-$ at $\Upsilon(4S)$
3090.2±0.3±0.5	2.0k	AAIJ	17AH LHCB	$pp$ 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.

 $\Omega_c(3090)^0$  WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>8.7±1.0±0.8</b>	2.0k	AAIJ	17AH LHCB	$pp$ at 7, 8, 13 TeV
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
7.4±3.1±2.8	41	AAIJ	21AC LHCB	$pp$ at 7, 8, 13 TeV

 $\Omega_c(3090)^0$  DECAY MODES

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

 $\Omega_c(3090)^0$  BRANCHING RATIOS

$\Gamma(\Xi_c^+ K^-)/\Gamma_{\text{total}}$					$\Gamma_1/\Gamma$
VALUE	EVTS	DOCUMENT ID	TECN	COMMENT	
seen	41	<sup>1</sup> AAIJ	21AC LHCB	$pp$ at 7, 8, 13 TeV	
seen	87	YELTON	18B BELLE	$e^+e^-$ at $\Upsilon(4S)$	
<b>seen</b>	2.0k	<sup>2</sup> AAIJ	17AH LHCB	$pp$ at 7, 8, 13 TeV	

<sup>1</sup> AAIJ 21AC report a significance of 7.8  $\sigma$ .

<sup>2</sup> AAIJ 17AH report a significance of 21.1  $\sigma$ .

 $\Omega_c(3090)^0$  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.)