

$\Xi_c(2923)$  $I(J^P) = ?(?^?)$  Status: \*\*

OMITTED FROM SUMMARY TABLE

 $\Xi_c(2923)$  MASSES $\Xi_c(2923)^0$  MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>2923.2 ± 0.4 OUR AVERAGE</b>		Error includes scale factor of 1.2.		
2924.5 ± 0.4 ± 1.1	1.5k	<sup>1</sup> AAIJ	23X LHCb	$B^- \rightarrow \Lambda_c^+ \bar{\Lambda}_c^- K^-$
2923.04 ± 0.25 ± 0.24	5.4k	<sup>2</sup> AAIJ	20X LHCb	$pp$ at 13 TeV

<sup>1</sup>AAIJ 23X studies the  $\Lambda_c^+ K^-$  system within  $B^- \rightarrow \Lambda_c^+ \bar{\Lambda}_c^- K^-$  decays.<sup>2</sup>AAIJ 20X uses a prompt  $\Lambda_c^+ K^-$  sample, and reports  $2923.04 \pm 0.25 \pm 0.20 \pm 0.14$  MeV where the last uncertainty is due to the  $\Lambda_c^+$  mass. $\Xi_c(2923)$  WIDTHS $\Xi_c(2923)^0$  WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>5.8 ± 1.3 OUR AVERAGE</b>				
4.8 ± 0.9 ± 1.5	1.5k	<sup>1</sup> AAIJ	23X LHCb	$B^- \rightarrow \Lambda_c^+ \bar{\Lambda}_c^- K^-$
7.1 ± 0.8 ± 1.8	5.4k	<sup>2</sup> AAIJ	20X LHCb	$pp$ at 13 TeV

<sup>1</sup>AAIJ 23X studies the  $\Lambda_c^+ K^-$  system within  $B^- \rightarrow \Lambda_c^+ \bar{\Lambda}_c^- K^-$  decays.<sup>2</sup>AAIJ 20X uses a prompt  $\Lambda_c^+ K^-$  sample $\Xi_c(2923)$  DECAY MODES

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

 $\Xi_c(2923)$  BRANCHING RATIOS

$\Gamma(\Lambda_c^+ K^-)/\Gamma_{\text{total}}$	$\Gamma_1/\Gamma$			
VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
seen	1.5k	AAIJ	23X LHCb	$B^- \rightarrow \Lambda_c^+ \bar{\Lambda}_c^- K^-$
<b>seen</b>	5.4k	AAIJ	20X LHCb	$pp$ at 13 TeV

 $\Xi_c(2923)$  REFERENCES

AAIJ	23X	PR D108 012020	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	20X	PRL 124 222001	R. Aaij <i>et al.</i>	(LHCb Collab.)