NODE=B192

$\Xi_c(2923)$

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

OMITTED FROM SUMMARY TABLE

$\Xi_c(2923)$ MASSES

NODE=B192205

$\Xi_c(2923)^0$ MASS

NODE=B192M0

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
2923.2 ±0.4 OUR AVERAGE		Error includes scale factor of 1.2.			
2924.5 ±0.4 ±1.1	1.5k	[1] AAIJ	23X	LHCB	$B^- \to \Lambda_c^+ \overline{\Lambda}_c^- K^-$
2923.04±0.25±0.24	5.4k	[2] AAIJ	20X	LHCB	pp at 13 TeV

NODE=B192M0
NODE=B192M0

[1] AAIJ 23X studies the $\Lambda_c^+ K^-$ system within $B^- \to \Lambda_c^+ \overline{\Lambda}_c^- K^-$ decays.

NODE=B192M0;LINKAGE=B

[2] 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 Λ_c^+ mass.

NODE=B192M0;LINKAGE=A

$\Xi_c(2923)$ WIDTHS

NODE=B192210

$\Xi_c(2923)^0$ WIDTH

NODE=B192W0

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
5.8±1.3 OUR AVERAGE					
4.8±0.9±1.5	1.5k	[1] AAIJ	23X	LHCB	$B^- \to \Lambda_c^+ \overline{\Lambda}_c^- K^-$
7.1±0.8±1.8	5.4k	[2] AAIJ	20X	LHCB	pp at 13 TeV

NODE=B192W0
NODE=B192W0

[1] AAIJ 23X studies the $\Lambda_c^+ K^-$ system within $B^- \to \Lambda_c^+ \overline{\Lambda}_c^- K^-$ decays.

NODE=B192W0;LINKAGE=A

[2] AAIJ 20X uses a prompt $\Lambda_c^+ K^-$ sample

NODE=B192W0;LINKAGE=B

$\Xi_c(2923)$ DECAY MODES

NODE=B192215;NODE=B192

	Mode	Fraction (Γ_i/Γ)
Γ_1	$\Lambda_c^+ K^-$	seen

DESIG=1

$\Xi_c(2923)$ BRANCHING RATIOS

NODE=B192225

$\Gamma(\Lambda_c^+ K^-)/\Gamma_{\text{total}}$ Γ_1/Γ

NODE=B192R01

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
seen	1.5k	AAIJ	23X	LHCB	$B^- \to \Lambda_c^+ \overline{\Lambda}_c^- K^-$
seen	5.4k	AAIJ	20X	LHCB	pp at 13 TeV

NODE=B192R01

$\Xi_c(2923)$ REFERENCES

NODE=B192

AAIJ	23X	PR D108 012020	R. Aaij *et al.*	(LHCb Collab.)
AAIJ	20X	PRL 124 222001	R. Aaij *et al.*	(LHCb Collab.)

REFID=62300
REFID=60564