

$\Omega_c(3120)^0$ $I(J^P) = ?(??)$ Status: *** $\Omega_c(3120)^0$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
$3119.1 \pm 0.3 \pm 0.9 \pm 0.3$	480	¹ AAIJ	17AH LHCB	pp at 7, 8, 13 TeV

¹The third error is the uncertainty on the Ξ_c^+ mass. (AAIJ 17AH gave $+0.3$ MeV here, but as of 2018 it is ± 0.3 .)

 $\Omega_c(3120)^0$ WIDTH

VALUE (MeV)	CL%	DOCUMENT ID	TECN	COMMENT
<2.6	95	AAIJ	17AH LHCB	pp at 7, 8, 13 TeV

 $\Omega_c(3120)^0$ DECAY MODES

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 \quad \Xi_c^+ K^-$	seen

 $\Omega_c(3120)^0$ BRANCHING RATIOS

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

VALUE	DOCUMENT ID	TECN	COMMENT
seen	¹ AAIJ	17AH LHCB	pp at 7, 8, 13 TeV

¹AAIJ 17AH report a significance of 10.4 σ .

 $\Omega_c(3120)^0$ REFERENCES

AAIJ	17AH PRL 118 182001	R. Aaij <i>et al.</i>	(LHCb Collab.)
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