$\Omega_c(3120)^0$

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

$\Omega_c(3120)^0$ MASS

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
3119.1±0.3±0.9±0.3	480	[1] AAIJ	17AH	LHCB	pp at 7, 8, 13 TeV

[1] The third error is the uncertainty on the Ξ_c^+ mass. (AAIJ 17AH gave $^{+0.3}_{-0.5}$ 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)
Γ_1	$\Xi_c^+ K^-$	seen

$\Omega_c(3120)^0$ BRANCHING RATIOS

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

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

[1] AAIJ 17AH report a significance of 10.4 σ.

$\Omega_c(3120)^0$ REFERENCES

AAIJ 17AH PRL 118 182001 R. Aaij *et al.* (LHCb Collab.)