

$\Omega_c(3327)^0$

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

$\Omega_c(3327)^0$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
$3327.1 \pm 1.2^{+0.1}_{-1.3} \pm 0.2$	4.1k	¹ AAIJ	23AS LHCB	pp at 7, 8, 13 TeV

¹ The third uncertainty is due to the uncertainty in the Ξ_c^+ mass, taken to be the PDG 22 fit result 2467.71 ± 0.23 MeV.

$\Omega_c(3327)^0$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
$20 \pm 5^{+13}_{-1}$	4.1k	AAIJ	23AS LHCB	pp at 7, 8, 13 TeV

$\Omega_c(3327)^0$ DECAY MODES

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

$\Omega_c(3327)^0$ BRANCHING RATIOS

$\Gamma(\Xi_c^+ K^-)/\Gamma_{\text{total}}$					Γ_1/Γ
VALUE	EVTS	DOCUMENT ID	TECN	COMMENT	
seen	4.1k	¹ AAIJ	23AS LHCB	pp at 7, 8, 13 TeV	

¹ AAIJ 23AS report a significance of 10σ .

$\Omega_c(3327)^0$ REFERENCES

AAIJ	23AS	PRL 131 131902	R. Aaij <i>et al.</i>	(LHCb Collab.)
PDG	22	PTEP 2022 083C01	R.L. Workman <i>et al.</i>	(PDG Collab.)