$$\boxed{\Xi_c^{\prime 0}} \qquad I(J^P) = \tfrac{1}{2}(\tfrac{1}{2}^+) \ \text{Status:} \ {*}{*}{*}$$

See the note in the Listing for the $\Xi_c^{\prime +}$, above.

$\Xi_c^{\prime 0}$ MASS

The mass is obtained from the mass-difference measurement that follows.

VALUE (MeV)	DOCUMENT ID
2578.8±3.2 OUR FIT	

$m_{\Xi_c^{\prime 0}} - m_{\Xi_c^0}$

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
107.0±2.9 OUR FIT					
107.0±1.4±2.5	28	JESSOP	99	CLE2	$e^+e^- \approx \Upsilon(4S)$

$\Xi_c^{\prime 0}$ DECAY MODES

The $m_{\Xi_c^{\prime 0}} - m_{\Xi_c^0}$ mass difference is too small for any strong decay to occur.

	Mode	Fraction (Γ_i/Γ)
Γ_1	$\Xi_c^0 \gamma$	seen

$\Xi_c^{\prime 0}$ REFERENCES

JESSOP   99   PRL 82 492   C.P. Jessop+   (CLEO Collab.)