



$$I(J^P) = \frac{1}{2}(\frac{1}{2}^+)$$
 Status: ***

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

Ξ_c^0 MASS

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

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>
2577.9±2.9 OUR FIT	

$\Xi_c^0 - \Xi_c^0$ MASS DIFFERENCE

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

Ξ_c^0 DECAY MODES

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

<u>Mode</u>	<u>Fraction (Γ_i/Γ)</u>
$\Gamma_1 \quad \Xi_c^0 \gamma$	seen

Ξ_c^0 REFERENCES

JESSOP	99	PRL 82 492	C.P. Jessop <i>et al.</i>	(CLEO Collab.)
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