



$$I(J^P) = \frac{1}{2}(\frac{1}{2}^+)$$
 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.

| VALUE (MeV) | DOCUMENT ID |
|-----------------------------|-------------|
| 1077.9 ± 2.9 OUR FIT | |

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

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

Ξ_c^0 DECAY MODES

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

| Mode | Fraction (Γ_i/Γ) |
|---------------------------------|--------------------------------|
| $\Gamma_1 \quad \Xi_c^0 \gamma$ | seen |

Ξ_c^0 REFERENCES

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