



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

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

### $\Xi_c^0$ MASS

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

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

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

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

### $\Xi_c^0$ DECAY MODES

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

| <u>Mode</u>                     | <u>Fraction (<math>\Gamma_i/\Gamma</math>)</u> |
|---------------------------------|--|
| $\Gamma_1 \quad \Xi_c^0 \gamma$ | seen   |

### $\Xi_c^0$ REFERENCES

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