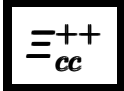


# DOUBLY CHARMED BARYONS ( $C = +2$ )

$$\Xi_{cc}^{++} = ucc, \Xi_{cc}^+ = dcc, \Omega_{cc}^+ = scc$$



$$I(J^P) = ?(??)$$

$$\text{Mass } m = 3621.6 \pm 0.4 \text{ MeV}$$

$$\text{Mean life } \tau = (256 \pm 27) \times 10^{-15} \text{ s}$$

$\Xi_{cc}^{++}$ DECAY MODES	Fraction ( $\Gamma_i/\Gamma$ )	Confidence level	$P$ (MeV/c)
$\Lambda_c^+ K^- \pi^+ \pi^+$	<b>DEFINED AS 1</b>		880
$\Xi_c^+ \pi^+, \Xi_c^+ \rightarrow p K^- \pi^+$	$0.0022 \pm 0.0006$		—
$\Xi_c^{'+} \pi^+, \Xi_c^{'+} \rightarrow \Xi_c^+ \gamma, \Xi_c^+ \rightarrow p K^- \pi^+$	$0.0031 \pm 0.0010$		—
$\Xi_c^0 \pi^+ \pi^+, \Xi_c^0 \rightarrow p K^- K^- \pi^+$	$0.0067 \pm 0.0010$		—
$D^+ p K^- \pi^+$	$< 0.017$	90%	562