

DOUBLY CHARMED BARYONS ($C = +2$)

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

$$\Xi_{cc}^{++}$$

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

Mass $m = 3621.2 \pm 0.7$ MeV

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

Ξ_{cc}^{++} DECAY MODES

Fraction (Γ_i/Γ)

p (MeV/c)

$\Lambda_c^+ K^- \pi^+ \pi^+$

seen

880

$\Xi_c^+ \pi^+, \Xi_c^+ \rightarrow p K^- \pi^+$

seen

—