$\Sigma_c(2455)$ $I(J^P) = 1(\frac{1}{2}^+)$

J^P not confirmed; $\frac{1}{2}^+$ is the quark model prediction.

$\Sigma_c(2455)^{++}$ mass $m = 2453.1 \pm 0.6$ MeV
$\Sigma_c(2455)^{+}$ mass $m = 2453.8 \pm 0.9$ MeV
$\Sigma_c(2455)^{0}$ mass $m = 2452.4 \pm 0.7$ MeV (S = 1.1)

$\Sigma_c(2455)$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$\Lambda_c^+ \pi$	100 %	91

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

$I(J^P)$ not confirmed; $\frac{1}{2}(\frac{1}{2}^+)$ is the quark model prediction.

Mass $m = 2465.1 \pm 1.6$ MeV
Mean life $\tau = (0.35^{+0.07}_{-0.04}) \times 10^{-12}$ s
$c\tau = 106$ μm

Ξ_c^+ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$\Lambda K^- \pi^+ \pi^+$	seen	785
$\Sigma^+ K^- \pi^+$	seen	808
$\Sigma^0 K^- \pi^+ \pi^+$	seen	733
$\Xi^- \pi^+ \pi^+$	seen	850

Ξ_c^0 $I(J^P) = \frac{1}{2}(\frac{1}{2}^+)$

$I(J^P)$ not confirmed; $\frac{1}{2}(\frac{1}{2}^+)$ is the quark model prediction.

Mass $m = 2470.3 \pm 1.8$ MeV (S = 1.3)
$m_{\Xi_c^0} - m_{\Xi_c^+} = 5.2 \pm 2.2$ MeV (S = 1.1)
Mean life $\tau = (0.098^{+0.023}_{-0.015}) \times 10^{-12}$ s
$c\tau = 29$ μm

A few branching *ratios* but no absolute branching *fractions* have been measured.

Ξ_c^0 DECAY MODES		Fraction (Γ_i/Γ)	p (MeV/c)
$\Xi^- \ell^+$ anything	[m]	seen	–
$\Xi^- \pi^+$		seen	875
$\Xi^- \pi^+ \pi^+ \pi^-$		seen	816
$p K^- \overline{K}^*(892)^0$		seen	406
$\Omega^- K^+$		seen	522