$\Delta(1700)\ D_{33}$, $\Delta(1900)\ S_{31}$, $\Delta(1905)\ F_{35}$, $\Delta(1910)\ P_{31}$, $\Delta(1920)\ P_{33}$, $\Delta(1930)\ D_{35}$, $\Delta(1950)\ F_{37}$, $\Delta(2420)\ H_{3,11}$

The Δ resonances listed above are omitted from this Booklet but not from the Summary Table in the full *Review*.

Λ BARYONS ($S = -1,\ I = 0$)

$\Lambda^0 = uds$

Λ $I(J^P) = 0(\frac{1}{2}^+)$

Mass $m = 1115.684 \pm 0.006$ MeV
Mean life $\tau = (2.632 \pm 0.020) \times 10^{-10}$ s (S = 1.6)
$c\tau = 7.89$ cm
Magnetic moment $\mu = -0.613 \pm 0.004\ \mu_N$
Electric dipole moment $d < 1.5 \times 10^{-16}\ e$cm, CL = 95%

Decay parameters

$p\pi^-$	$\alpha_- = 0.642 \pm 0.013$
"	$\phi_- = (-6.5 \pm 3.5)^\circ$
"	$\gamma_- = 0.76$ [g]
"	$\Delta_- = (8 \pm 4)^\circ$ [g]
$n\pi^0$	$\alpha_0 = +0.65 \pm 0.05$
$p\,e^-\,\overline{\nu}_e$	$g_A/g_V = -0.718 \pm 0.015$ [e]

Λ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$p\pi^-$	(63.9 ±0.5) %	101
$n\pi^0$	(35.8 ±0.5) %	104
$n\gamma$	(1.75±0.15) × 10^{-3}	162
$p\pi^-\gamma$	[h] (8.4 ±1.4) × 10^{-4}	101
$p\,e^-\,\overline{\nu}_e$	(8.32±0.14) × 10^{-4}	163
$p\,\mu^-\,\overline{\nu}_\mu$	(1.57±0.35) × 10^{-4}	131

$\Lambda(1405)\ S_{01}$ $I(J^P) = 0(\frac{1}{2}^-)$

Mass $m = 1407 \pm 4$ MeV
Full width $\Gamma = 50.0 \pm 2.0$ MeV
Below $\overline{K}N$ threshold

$\Lambda(1405)$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$\Sigma\pi$	100 %	152