

New Hypothesis

baryony – značky v řádcích ...a přesto jiné symetrie

Δ^{++}		Σ_c^{++}	Ξ_{cc}^{++}		Ω_{ccc}^{++}
UUU		UUC	UCC		CCC
Δ^+	Σ^+	Σ_c^+	Ξ_c^+	Ξ_{cc}^+	Ω_{cc}^+
UUD	UUS	UDC	USC	DCC	SCC
Δ^0	Σ^0	Σ_c^0	Ξ^0	Ξ_c^0	Ω_c^0
UDD	UDS	DDC	USS	DSC	SSC
Δ^-	Σ^-			Ξ^-	Ω^-
DDD	DDS			DSS	SSS

Δ^- Δ^0 Δ^+ Δ^{++}
 DDD DDU DUU UUU

Σ^- Σ^0 Σ^+
 SDD SDU SUU

CDD CDU CUU
 Σ_c^0 Σ_c^+ Σ_c^{++}

Ξ_{cc}^{++} Ξ_c^+ Ξ^0
 CCU CSU SSU
 CCD CSD SSD
 Ξ_{cc}^+ Ξ_c^0 Ξ^-

CCC CCS CSS SSS
 Ω_{ccc}^{++} Ω_{cc}^+ Ω_c^0 Ω^-

$$\begin{aligned}
\Delta^{++} &\equiv (\text{UUU}) = x^3 \cdot t^{-1} / x^0 t^1 = x^3/t^2 \cdot x^0 \cdot t^{-1} / x^0 \cdot t^{-1} \\
\Delta^+, \mathbf{p} \text{ (proton)} &\equiv (\text{UUD}) = x^3 \cdot t^0 / x^0 \cdot t^2 = x^3/t^2 \cdot x^0 \cdot t^0 / x^0 \cdot t^0 \\
\Delta^0, \mathbf{n} \text{ (neutron)} &\equiv (\text{UDD}) = x^3 \cdot t^1 / x^0 \cdot t^3 = x^3/t^2 \cdot x^0 \cdot t^1 / x^0 \cdot t^1 \\
\Delta^- &\equiv (\text{DDD}) = x^3 \cdot t^2 / x^0 \cdot t^4 = x^3/t^2 \cdot x^0 \cdot t^2 / x^0 \cdot t^2 \\
\Sigma^+ &\equiv (\text{USU}) = x^4 \cdot t^0 / x^1 \cdot t^2 = x^3/t^2 \cdot x^1 \cdot t^0 / x^1 \cdot t^0 \\
\Sigma^0 &\equiv (\text{USD}) = x^4 \cdot t^1 / x^1 \cdot t^3 = x^3/t^2 \cdot x^1 \cdot t^1 / x^1 \cdot t^1 \\
\Sigma^- &\equiv (\text{DSD}) = x^4 \cdot t^2 / x^1 \cdot t^4 = x^3/t^2 \cdot x^1 \cdot t^2 / x^1 \cdot t^2 \\
\Xi^0 &\equiv (\text{SUS}) = x^5 \cdot t^1 / x^2 \cdot t^3 = x^3/t^2 \cdot x^2 \cdot t^1 / x^2 \cdot t^1 \\
\Xi^- &\equiv (\text{SDS}) = x^5 \cdot t^2 / x^2 \cdot t^4 = x^3/t^2 \cdot x^2 \cdot t^2 / x^2 \cdot t^2 \\
\Omega^- &\equiv (\text{SSS}) = x^6 \cdot t^2 / x^3 \cdot t^4 = x^3/t^2 \cdot x^3 \cdot t^2 / x^3 \cdot t^2
\end{aligned}$$

$$\begin{aligned}
\Sigma_c^{++} &\equiv (\text{UCU}) = x^4 \cdot t^1 / x^1 \cdot t^3 = x^3/t^2 \cdot x^1 \cdot t^1 / x^1 \cdot t^1 \\
\Sigma_c^+ &\equiv (\text{UCD}) = x^4 \cdot t^2 / x^1 \cdot t^4 = x^3/t^2 \cdot x^1 \cdot t^2 / x^1 \cdot t^2 \\
\Sigma_c^0 &\equiv (\text{DCD}) = x^4 \cdot t^3 / x^1 \cdot t^5 = x^3/t^2 \cdot x^1 \cdot t^3 / x^1 \cdot t^3 \\
\Xi_c^+ \square \square \square \square \square \square \square \square \square \square \square \square \square \square \square \square &\equiv (\text{CUS}) = x^5 \cdot t^2 / x^2 \cdot t^4 = x^3/t^2 \cdot x^2 \cdot t^2 / x^2 \cdot t^2 \\
\Xi_c^0 &\equiv (\text{CDS}) = x^5 \cdot t^3 / x^2 \cdot t^5 = x^3/t^2 \cdot x^2 \cdot t^3 / x^2 \cdot t^3 \\
\Omega_c^0 &\equiv (\text{CSS}) = x^6 \cdot t^3 / x^3 \cdot t^5 = x^3/t^2 \cdot x^3 \cdot t^3 / x^3 \cdot t^3
\end{aligned}$$

$$\begin{aligned}
\Xi_{cc}^{++} &\equiv (\text{CCU}) = x^5 \cdot t^3 / x^2 \cdot t^5 = x^3/t^2 \cdot x^2 \cdot t^3 / x^2 \cdot t^3 \\
\Xi_{cc}^+ &\equiv (\text{CCD}) = x^5 \cdot t^4 / x^2 \cdot t^6 = x^3/t^2 \cdot x^2 \cdot t^4 / x^2 \cdot t^4 \\
\Omega_{cc}^+ &\equiv (\text{CCS}) = x^6 \cdot t^4 / x^3 \cdot t^6 = x^3/t^2 \cdot x^3 \cdot t^4 / x^3 \cdot t^4
\end{aligned}$$

$$\Omega_{ccc}^{++} \equiv (\text{CCC}) = x^6 \cdot t^5 / x^3 \cdot t^7 = x^3/t^2 \cdot x^3 \cdot t^5 / x^3 \cdot t^5$$
