

Ea) bloček 44 - Soupis všech částic + můj zápis,

Quarks

u, d, s, c, b, t, b', t'

Leptons

$e^-, \nu_e, \mu^-, \nu_\mu, \tau^-, \nu_\tau, \tau'^-, \nu_{\tau'}$

Higgs bosons

g, γ, Z^0, H^+, W^+
 $Z'/Z^0_2, Z'/Z^0_3, h^0/H^0_1, H^0/H^0_2, A^0/H^0_3, W'/W^+_2$

Technicolor particles

$\pi_\tau^0, \pi_\tau^+, \eta_\tau^0, \rho_\tau^0, \rho_\tau^+, \omega_\tau^0$

Special particles

G (graviton)

Light $I = 1$ mezos

Light $I = 0$ mesons

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π^0

π^+

$a_0(980)^0$
 $a_0(980)^+$
 $\pi(1300)^0$
 $\pi(1300)^+$
 $a_0(1450)^0$
 $a_0(1450)^+$
 $\pi(1800)^0$
 $\pi(1800)^+$
 $\rho(770)^0$
 $\rho(770)^+$
 $b_1(1235)^0$
 $b_1(1235)^+$
 $a_1(1260)^0$
 $a_1(1260)^+$
 $\pi_1(1400)^0$
 $\pi_1(1400)^+$
 $\rho(1450)^0$
 $\rho(1450)^+$
 $\pi_1(1600)^0$
 $\pi_1(1600)^+$
 $a_1(1640)^0$
 $a_1(1640)^+$
 $\rho(1700)^0$
 $\rho(1700)^+$
 $\rho(2150)^0$
 $\rho(2150)^+$
 $a_2(1320)^0$
 $a_2(1320)^+$
 $a_2(1660)^0$
 $a_2(1660)^+$
 $\pi_2(1670)^0$
 $\pi_2(1670)^+$
 $a_2(1750)^0$
 $a_2(1750)^+$
 $\pi_2(2100)^0$
 $\pi_2(2100)^+$
 $\rho_3(1690)^0$
 $\rho_3(1690)^+$
 $\rho_3(2250)^0$
 $\rho_3(2250)^+$
 $a_4(2040)^0$

η

η'

f_0
 f_0
 $\eta(1205)$
 f_0
 $\eta(1440)$
 f_0
 f_0
 $\eta(1760)$
 f_0
 f_0
 f_0
 $\eta(2225)$
 $\omega(782)$
 $\phi(1020)$
 h_1
 f_1
 h_1
 f_1
 $\omega(1420)$
 f_1
 $\omega(1650)$
 $\phi(1680)$
 f_2
 f_2
 f_2'
 f_2
 f_2
 $\eta_2(1645)$
 f_2
 $\eta_2(1870)$
 f_2
 f_2
 f_2
 f_2
 f_2
 $\omega_3(1670)$
 $\phi_3(1850)$
 f_4
 f_4
 f_4

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a₄ (2040)⁺

STRANGE MESONS

K_L⁰

K_S⁰

K⁰

K⁺

K₀^{*} (1430)⁰

K₀^{*} (1430)⁺

K (1460)⁰

K (1460)⁺

K (1830)⁰

K (1830)⁺

K₀^{*} (1950)⁰

K₀^{*} (1950)⁺

K^{*} (892)⁰

K^{*} (892)⁺

K₁ ; K^{*} ; K₂^{*} K₂ ; K₃^{*} K₃ ; K₄^{*} K₄ ;

CHARMED MESONS

D⁺

D⁰

D₀^{*+}

D₀^{*0}

D^{*}

D^{*} (2010)⁺

D^{*} (2007)⁰

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$D_1(2420)^+$

$D_1(2420)^0$

$D_1(H)^+$

$D_1(H)^0$

$D_2^*(2460)^+$

$D_2^*(2460)^0$

D_S^+

$D_S^{*+}_0$

D_S^{*+}

$D_{S1}(2536)^+$

$D_{S1}(H)^+$

$D_S^{*+}_2$

BOTTOM MESONS

B^0

B^+

B_0^{*0}

B_0^{*+}

B^{*0}

B^{*+}

$B_1(L)^0$

$B_1(L)^+$

$B_1(H)^0$

$B_1(H)^+$

B_2^{*0}

B_2^{*+}

B_S^0

$B_S^{*0}_0$

B_S^{*0}

$B_{S1}(L)^0$

$B_{S1}(H)^0$

$B_S^{*0}_2$

B_c^+

$B_c^{*+}_0$

B_c^{*+}

$B_{c1}(L)^+$

$B_{c1}(H)^+$

$B_c^{*+}_2$

Light baryons

- p** (proton)
- n** (neutron)
- Δ^{++}
- Δ^+
- Δ^0
- Δ^-

Strange baryons

- Λ
- Σ^+
- Σ^0
- Σ^-
- Σ^{*+}
- Σ^{*0}
- Σ^{*-}
- Ξ^0
- Ξ^-
- Ξ^{*0}
- Ξ^{*-}
- Ω^-

Charmed baryons

- Λ_c^+
- Σ_c^{++}
- Σ_c^+
- Σ_c^0
- Σ_c^{*++}
- Σ_c^{*+}
- Σ_c^{*0}
- Ξ_c^+
- Ξ_c^0
- $\Xi_c^{\prime+}$
- $\Xi_c^{\prime0}$
- Ξ_c^{*+}
- Ξ_c^{*0}
- Ω_c^0
- Ω_c^{*0}
- Ξ_{cc}^+

Bottom baryons

- Λ_b^0
- Σ_b^-
- Σ_b^0
- Σ_b^+
- Σ_b^{*-}
- Σ_b^{*0}
- Σ_b^{*+}
- Ξ_b^-
- Ξ_b^0
- $\Xi_b^{\prime-}$
- $\Xi_b^{\prime0}$
- Ξ_b^{*-}
- Ξ_b^{*0}
- Ω_b^-
- Ω_b^{*-}
- Ξ_{bc}^0
- Ξ_{bc}^+
- $\Xi_{bc}^{\prime0}$
- $\Xi_{bc}^{\prime+}$
- Ξ_{bc}^{*0}
- Ξ_{bc}^{*+}
- Ω_{bc}^0
- $\Omega_{bc}^{\prime0}$
- Ω_{bc}^{*0}
- Ω_{bcc}^+
- Ω_{bcc}^{*+}
- Ξ_{bb}^-
- Ξ_{bb}^0
- Ξ_{bb}^{*-}
- Ξ_{bb}^{*0}
- Ω_{bb}^-
- Ω_{bb}^{*-}
- Ω_{bbc}^0
- Ω_{bbc}^{*0}
- Ω_{bbb}^-

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Ξ_{cc}^{++}

Ξ_{cc}^{*+}

Ξ_{cc}^{*++}

Ω_{cc}^{+}

Ω_{cc}^{*+}

Ω_{ccc}^{++}