

All particles except some resonances

S000 gamma γ
 G021 gluon g
 G033 graviton
 S043 W
 S044 Z

S126 Higgs Boson at 125 GeV
 S055 Neutral Higgs Bosons, Searches for
 S064 Charged Higgs Bosons, Searches for
S056 New Heavy Bosons (W', Z', leptoquarks,..)
 S029 Axions & Other Very Light Bosons

S003 e
 S004 mu μ
 S035 tau τ
 S025 Heavy Charged Lepton Searches

S066 Neutrino Properties ν
 S007 Number of Neutrino Types
 S076 Double-beta Decay
 S067 Neutrino Mixing ν masses etc.
 S077 Heavy Neutral Leptons, Searches for

Q123 Light Quarks (u, d, s)
 Q004 c
 Q005 b
 Q007 t
 Q008 b' (4th Generation) Quark, Searches
 Q009 t' (4th Generation) Quark, Searches
 S027 Free Quark Searches

S008 π^\pm π^\pm
 S009 π^0 π^0
 S014 eta η

S010 K^\pm
 S011 K^0
 S012 K_S^0
 S013 K_L^0

S031 D^\pm
 S032 D^0
 S034 D_s
 S074 $D_s^{*\pm}$ (Meson Team)

November 18, 2014

S041 B^\pm
 S042 B^0
 S049 B^\pm/B^0 ADMIXTURE
 S051 $B^\pm/B^0/B_s/b$ -baryon ADMIXTURE
 S052 V(cb) and V(ub) CKM Matrix Elements

M183 $B_1(5721)^0$
 M151 $B_J^*(5732)$
 M184 $B_2^*(5747)^0$
 S085 B^*

S086 B_s^0
 S087 B_s^*
 M187 $B_{s1}(5830)^0$
 M186 $B_{s2}^*(5840)^0$
 M153 $B_{s1}^*(5850)$

S091 B_c^\pm

S028 Magnetic Monopole **Searches**
 S046 Supersymmetric Particle Searches
 S057 Technicolor
 S054 Quark and Lepton Compositeness
 S071 Extra Dimensions
 S030 WIMPs and Other Particles Searches
 SOTH Other generic searches

RCKM CKM review literature
 RCON Conservation Laws literature
 RQCD QCD review literature
 ROTH Other reviews literature

Baryons on next page

S016 p proton
S017 n neutron
S018 Λ Lambda

S019 Σ^+ Sigma+
S021 Σ^0 Sigma0
S020 Σ^- Sigma-

S023 Ξ^0 Xi0
S022 Ξ^- Xi-
B049 $\Xi(1530) 3/2^+$ Xi(1530) 3/2+
B021 $\Xi(1620)$ Xi(1620)
B105 $\Xi(1690)$
B050 $\Xi(1820) 3/2^-$
B052 $\Xi(1950)$
B068 $\Xi(2030)$
B103 $\Xi(2120)$
B022 $\Xi(2250)$
B131 $\Xi(2370)$
B099 $\Xi(2500)$ Xi(2500)

S024 Ω^- (Omega -)
B141 $\Omega^-(2250)$ Omega(2250) -
B142 $\Omega^-(2380)$ Omega(2380) -
B143 $\Omega^-(2470)$ Omega(2470) -

B999 Baryon resonances
(Only N, Δ , Λ , Σ without c or b quarks)

S033 Λ_c Lambda(c)+
B119 $\Lambda_c(2595)^+$
B102 $\Lambda_c(2625)^+$
B150 $\Lambda_c(2765)^+$ or $\Sigma_c(2765)$
B151 $\Lambda_c(2880)^+$
B122 $\Lambda_c(2940)^+$

B104 $\Sigma_c(2455)$ Sigma(c)(2455)
B115 $\Sigma_c(2520)$ Sigma(c)(2520)
B155 $\Sigma_c(2800)$ Sigma(c)(2800)

S045 Ξ_c^+ Xi(c)+
S048 Ξ_c^0 Xi(c)0
S058 $\Xi_c'^+$ Xi(c)'+
S059 $\Xi_c'^0$ Xi(c)'0
B146 $\Xi_c(2645)$ Xi(c)(2645)
B149 $\Xi_c(2790)$ Xi(c)(2790)
B148 $\Xi_c(2815)$ Xi(c)(2815)
B156 $\Xi_c(2930)$ Xi(c)(2930)
B130 $\Xi_c(2980)$ Xi(c)(2980)
B157 $\Xi_c(3055)$ Xi(c)(3055)
B147 $\Xi_c(3080)$ Xi(c)(3080)
B158 $\Xi_c(3123)$ Xi(c)(3123)

S047 Ω_c^0 Omega(c)
S053 $\Omega_c(2770)^0$ Omega(c)(2770)0

S065 Ξ_{cc}^+ Xi(cc)+ doubly charmed

S040 Λ_b Lambda(b)0
B162 $\Lambda_b(5912)^0$ Lambda(b)(5912)0
B163 $\Lambda_b(5920)^0$ Lambda(b)(5920)0

S026 Σ_b Sigma(b)
S062 Σ_b^* Sigma(b)*

S060 Ξ_b^0, Ξ_b^- Xi(b)0, Xi(b)-
B161 $\Xi_b(5945)^0$ Xi(b)(5945)0

S063 Ω_b^- Omega(b)-

S061 b-baryon ADMIX. ($\Lambda_b, \Xi_b, \Sigma_b, \Omega_b$)