QUARKS		DIQUARKS	$_{\pi^0}^{f LIGHT}I=$		LIGHT $I = 0$ MESONS $(u\overline{u}, d\overline{d}, \text{ and } s\overline{s} \text{ Admixtures})$		
d 1		$(dd)_1$ 1103	π° π^{+}	111 211		,	
$\begin{array}{ccc} u & 2 \\ s & 3 \end{array}$		$(ud)_0$ 2101	$a_0(980)^0$	9000111	η	221	
$ \begin{array}{ccc} s & 3 \\ c & 4 \end{array} $		$(ud)_1$ 2103	$a_0(980)^+$	9000211	$\eta'(958)$	331	
b 5		$(uu)_1$ 2203	$\pi(1300)^0$	100111	$f_0(600)$	9000221	
<i>t</i> . 6		$(sd)_0$ 3101	$\pi(1300)^+$	100211	$f_0(980)$	9010221	
b' 7		$(sd)_1$ 3103	$a_0(1450)^0$	10111	$\eta(1295)$	100221	
<i>t'</i> 8		$(su)_0$ 3201	$a_0(1450)$ $a_0(1450)^+$	10211	$f_0(1370)$	10221	
LEPTONS		$(su)_1$ 3203	$a_0(1430)$ $\pi(1800)^0$		$\eta(1405)$	9020221	
e^{-} 11		$(ss)_1$ 3303	(/	9010111	$\eta(1475)$	100331	
ν_e 12		$(cd)_0$ 4101	$\pi(1800)^+$	9010211	$f_0(1500)$	9030221	
μ^{-} 13		$(cd)_1$ 4103	$\rho(770)^0$	113	$f_0(1710)$	10331	
ν_{μ} 14		$(cu)_0$ 4201	$\rho(770)^{+}$	213	$\eta(1760)$	9040221	
τ^{-} 15		$(cu)_1$ 4203	$b_1(1235)^0$	10113	$f_0(2020)$	9050221	
ν_{τ} 16		$(cs)_0$ 4301	$b_1(1235)^+$	10213	$f_0(2100)$	9060221	
τ'^{-} 17		$(cs)_0$ 4303	$a_1(1260)^0$	20113	$f_0(2200)$	9070221	
$\nu_{\tau'}$ 18		$(cc)_1$ 4403	$a_1(1260)^+$	20213	$\eta(2225)$	9080221	
GAUGE A	ND	$(bd)_0$ 5101	$\pi_1(1400)^0$	9000113	$\omega(782)$	223	
HIGGS BC		$(bd)_0$ 5101 $(bd)_1$ 5103	$\pi_1(1400)^+$	9000213	$\phi(1020)$	333	
g	(9) 21	, ,	$\rho(1450)^0$	100113	$h_1(1170)$	10223	
γ	22	$(bu)_0$ 5201	$\rho(1450)^{+}$	100213	$f_1(1285)$	20223	
Z^0	23	$(bu)_1$ 5203	$\pi_1(1600)^0$	9010113	$h_1(1380)$	10333	
W^+	24	$(bs)_0$ 5301	$\pi_1(1600)^+$	9010213	$f_1(1420)$	20333	
h^0/H_1^0	25	$(bs)_1$ 5303	$a_1(1640)^0$	9020113	$\omega(1420)$	100223	
Z'/Z_2^0	32	$(bc)_0$ 5401	$a_1(1640)^+$	9020213	, ,		
Z''/Z_3^0	33	$(bc)_1$ 5403	$\rho(1700)^0$	30113	$f_1(1510)$	9000223	
W'/W_2^+	34	$(bb)_1$ 5503	$\rho(1700)^{+}$	30213	$h_1(1595)$	9010223	
H^0/H_2^0	35	SUSY	$\rho(1900)^0$	9030113	$\omega(1650)$	30223	
A^{0}/H_{3}^{0}	36	PARTICLES	$\rho(1900)^{+}$	9030213	$\phi(1680)$	100333	
H^+	37	\widetilde{d}_L 1000001	$\rho(2150)^0$	9040113	$f_2(1270)$	225	
		\widetilde{u}_L 1000002	$\rho(2150)^{+}$	9040213	$f_2(1430)$	9000225	
SPECIAL	20	\widetilde{s}_L 1000003	$a_2(1320)^0$	115	$f_2'(1525)$	335	
PARTICLE G (graviton)	2 S 39		$a_2(1320)^+$	215	$f_2(1565)$	9010225	
R^0	41	$ \widetilde{c}_L = 1000004 \widetilde{b}_1 = 1000005^a \widetilde{t}_1 = 1000006^a $	$\pi_2(1670)^0$	10115	$f_2(1640)$	9020225	
LQ^c	42	$\tilde{t}_1 = 1000006^a$	$\pi_2(1670)^+$	10215	$\eta_2(1645)$	10225	
$\mathbf{DM}(\mathbf{S} = 0)$	51^*	$\widetilde{e_L}$ 1000011	$a_2(1700)^0$	9000115	$f_2(1810)$	9030225	
$\mathbf{DM}(\mathbf{S} = 1/2)$		$\widetilde{\nu}_{eL}$ 1000012	$a_2(1700)^+$	9000215	$\eta_2(1870)$	10335	
$\mathbf{DM}(\mathbf{S} = 1)$	53*	$\widetilde{\mu}_{L}^{-}$ 1000013	$\pi_2(1100)^0$	9010115	$f_2(1910)$	9040225	
reggeon	110	$\widetilde{\nu}_{\mu L}$ 1000014			$f_2(1950)$	9050225	
pomeron	990	$\widetilde{\tau}_1^-$ 1000015 ^a	$\pi_2(2100)^+$	9010215	$f_2(2010)$	9060225	
odderon	9990	$\widetilde{\nu}_{\tau L}$ 1000016	$\rho_3(1690)^0$	117	$f_2(2150)$	9070225	
	0000	\widetilde{d}_R 2000001	$\rho_3(1690)^+$	217	$f_2(2300)$	9080225	
			$\rho_3(1990)^0$	9000117	$f_2(2340)$	9090225	
for MC inter			$\rho_3(1990)^+$	9000217	$\omega_3(1670)$	227	
use 81–100 and 901–920		10	$\rho_3(2250)^0$	9010117	$\phi_3(1850)$	337	
		10	$\rho_3(2250)^+$	9010217	$f_4(2050)$	229	
		$\begin{array}{ccc} \widetilde{b}_2 & 2000005^a \\ \widetilde{t}_2 & 2000006^a \end{array}$	$a_4(2040)^0$	119	$f_J(2220)$	9000229	
		\widetilde{e}_R^- 2000011	$a_4(2040)^+$	219	$f_4(2300)$	9010229	
					<i>y</i> 1 ()		
		$\widetilde{\mu}_R^-$ 2000013					
		$\widetilde{\tau}_2^-$ 2000015 ^a					
		\widetilde{g} 1000021					
		$\widetilde{\chi}_1^0 = 1000022^b$					
		$\tilde{\chi}_{2}^{0} = 1000023^{b}$					
		$\tilde{\chi}_{1}^{+}$ 1000024 ^b					
		~0 100000 - h					
		$\tilde{\chi}_{3}^{0} = 1000025^{b}$					
		$\chi_3^0 = 1000025^b$ $\tilde{\chi}_4^0 = 1000035^b$					

STRANGE MESONS			CHARMED MESONS		$c\overline{c}$ MESONS		LIGHT BARYONS		BOTTOM BARYONS	
K_L^0	130	D^+	411	$\eta_c(1S)$	4 41	p DAI	2212	Λ_b^0	5122	
K_S^0	310	D^0	421	$\chi_{c0}(1P)$	10441	n	2112	Σ_b^-	5112	
$K_S = K^0$	311	$D_0^*(2400)^+$	10411	$\eta_c(2S)$	100441	Δ^{++}	2224			
K^+	321	$D_0^*(2400)^0$	10421	$J/\psi(1S)$	443	Δ^+	2214	Σ_b^0	5212	
$K_0^*(800)^0$	9000311	$D^*(2010)^+$	413	$h_c(1P)$	10443	Δ^0	2114	Σ_b^+	5222	
$K_0^*(800)^+$	9000321	$D^*(2007)^0$	423	$\chi_{c1}(1P)$	20443	Δ^{-}	1114	Σ_b^{*-}	5114	
$K_0^*(1430)^0$	10311	$D_1(2420)^+$	10413	$\psi(2S)$	100443	STF	RANGE	Σ_b^{*0}	5214	
$K_0^*(1430)^+$	10321	$D_1(2420)^0$		$\psi(23)$ $\psi(3770)$	30443		RYONS	Σ_b^{*+}	5224	
$K(1460)^0$	100311	$D_1(H)^+$	20413	$\psi(3770)$ $\psi(4040)$	9000443	Λ	3122	Ξ_b^-	5132	
$K(1460)^+$	100311	$D_1(2430)^0$	20423			$\Sigma^+ \\ \Sigma^0$	$\frac{3222}{3212}$	Ξ_b^0	5232	
$K(1400)$ $K(1830)^0$	9010311	$D_2^*(2460)^+$		$\psi(4160)$	9010443	Σ^-	3112	$\Xi_b^{\prime-}$	5312	
$K(1830)^+$	9010311	$D_2^*(2460)^0$		$\psi(4415)$	9020443	Σ^{*+}	3224^{c}	$\Xi_b^{\prime 0}$	5322	
$K_0^*(1950)^0$	9010321	D_s^+	431	$\chi_{c2}(1P)$	445	$\sum_{i=1}^{\infty}$	3214^{c}	Ξ_b^{*-}	5314	
		$D_{s0}^{*}(2317)^{-1}$		$\chi_{c2}(2P)$	100445	Σ^{*-}	3114^{c} 3322			
$K_0^*(1950)^+$	9020321	$D_{s0}^{*}(2017)$	433	$b\overline{b}$		±0 =- =*0	3312	Ξ_{b}^{*0}	5324	
$K^*(892)^0$	313	D_s $D_{s1}(2536)$		MESON	S	Ξ*0	3324^{c}	Ω_b^-	5332	
$K^*(892)^+$	323	$D_{s1}(2330)$ $D_{s1}(2460)$		$\eta_b(1S)$	551	Ξ*-	3314^{c}	Ω_b^{*-}	5334	
$K_1(1270)^0$	10313	$D_{s1}(2400)$ $D_{s2}^*(2573)^{-1}$		$\chi_{b0}(1P)$	10551	Ω_{-}	3334	Ξ_{bc}^0	5142	
$K_1(1270)^+$	10323	$D_{s2}(2373)$	455	$\eta_b(2S)$	100551	СН	ARMED	Ξ_{bc}^{+}	5242	
$K_1(1400)^0$	20313	BOTTON	Л	$\chi_{b0}(2P)$	110551		RYONS	$\Xi_{bc}^{\prime0}$	5412	
$K_1(1400)^+$	20323	MESONS	3	$\eta_b(3S)$	200551	Λ_c^+	4122	$\Xi_{bc}^{\prime+}$	5422	
$K^*(1410)^0$	100313	B^0	511	$\chi_{b0}(3P)$	210551	Σ_c^{++}	4222	Ξ_{bc}^{*0}	5414	
$K^*(1410)^+$	100323	B^+_{D*0}	521	$\Upsilon(1S)$	553	Σ_c^+	4212	Ξ_{bc}^{*+}	5424	
$K_1(1650)^0$	9000313	B_0^{*0}	10511	$h_b(1P)$	10553	Σ_c^0	4112	Ω_{bc}^{0}	5342	
$K_1(1650)^+$	9000323	B_0^{*+}	10521	$\chi_{b1}(1P)$	20553	Σ_c^{*+}	+ 4224			
$K^*(1680)^0$	30313	$\stackrel{B^{*0}}{B^{*+}}$	$513 \\ 523$	$\Upsilon_1(1D)$	30553	Σ_c^{*+}	4214	$\Omega_{bc}^{\prime0}$	5432	
$K^*(1680)^+$	30323	$B_1(L)^0$	10513	$\Upsilon(2S)$	100553	Σ_c^{*0}	4114	Ω_{bc}^{*0}	5434	
$K_2^*(1430)^0$	315	$B_1(L)^+$	10523	$h_b(2P)$	110553	Ξ_c^+	4232	Ω_{bcc}^{+}	5442	
$K_2^*(1430)^+$	325	$B_1(H)^0$	20513	$\chi_{b1}(2P)$	120553	Ξ_c^0	4132	Ω_{bcc}^{*+}	5444	
$K_2(1580)^0$	9000315	$B_1(H)^+$	20523	$\Upsilon_1(2D)$	130553	$\Xi_c^{\prime+}$	4322	Ξ_{bb}^-	5512	
$K_2(1580)^+$	9000325	B_2^{*0}	515	$\Upsilon(3S)$	200553	$\Xi_c^{\prime 0}$	4312	Ξ_{bb}^0	5522	
$K_2(1770)^0$	10315	B_2^{*+}	525	$h_b(3P)$	210553	Ξ_c^{*+}	4324	Ξ_{bb}^{*-}	5514	
$K_2(1770)^+$	10325	B_s^0	531	$\chi_{b1}(3P)$	220553	Ξ_c^{*0}	4314	Ξ_{bb}^{*0}	5524	
$K_2(1820)^0$	20315	B_{s0}^{*0}	10531	$\Upsilon(4S)$	300553	Ω_c^0	4332	Ω_{bb}^{-}	5532	
$K_2(1820)^+$	20325	B_s^{*0}	533	$\Upsilon(10860)$	9000553	Ω_c^{*0}	4334	Ω_{bb}^{*-}	5534	
$K_2^*(1980)^0$	9010315	$B_{s1}(L)^0$	555 10533	$\Upsilon(11020)$	9010553	Ξ_{cc}^{+}	4412	Ω_{bbc}^{0}	5542	
$K_2^*(1980)^+$	9010325	$B_{s1}(L)^{\circ}$ $B_{s1}(H)^{0}$		$\chi_{b2}(1P)$	555	Ξ_{cc}^{++}	4422		5544	
$K_2(2250)^0$	9020315		20533	$\eta_{b2}(1D)$	10555	Ξ_{cc}^{*+}	4414	Ω_{bbc}^{*0}		
$K_2(2250)^+$	9020325	B_{s2}^{*0}	535	$\Upsilon_2(1D)$	20555	Ξ_{cc}^{*+}	+ 4424	Ω_{bbb}^{-}	5554	
$K_3^*(1780)^0$	317	B_c^+	541	$\chi_{b2}(2P)$	100555	Ω_{cc}^{+}	4432			
$K_3^*(1780)^+$	327	B_{c0}^{*+}	10541	$\eta_{b2}(2D)$	110555	Ω_{cc}^{*+}	4434			
$K_3(2320)^0$	9010317	B_c^{*+}	543	$\Upsilon_2(2D)$	120555	Ω_{ccc}^{++}				
$K_3(2320)^+$	9010327	$B_{c1}(L)^+$	10543		200555	ccc				
$K_4^*(2045)^0$	319	$B_{c1}(H)^{+}$	20543	$\chi_{b2}(3P)$ $\Upsilon_{c}(1D)$	200555 557					
$K_4^*(2045)^+$	329	B_{c2}^{*+}	545	$\Upsilon_3(1D)$ $\Upsilon_2(2D)$						
$K_4(2500)^0$	9000319			$\Upsilon_3(2D)$	100557					
$K_4(2500)^+$	9000319									
114(2000)	3000 3 43									

Footnotes to the Tables:

- $\ast)$ Numbers or names in bold face are new or have changed since the 2014 Review.
- a) Particulary in the third generation, the left and right sfermion states may mix, as shown. The lighter mixed state is given the smaller number. b) The physical $\widetilde{\chi}$ states are admixtures of the pure $\widetilde{\gamma}$, \widetilde{Z}^0 , \widetilde{W}^+ , \widetilde{H}^0_1 , \widetilde{H}^0_2 , and \widetilde{H}^+ states. c) Σ^* and Ξ^* are alternate names for $\Sigma(1385)$ and $\Xi(1530)$.