

Table 1: XYZ

index	PDG code	$3 \times \text{charge}$	text name	symbol
1	1	-1	d	d
2	-1	1	anti-d	\bar{d}
3	2	2	u	u
4	-2	-2	anti-u	\bar{u}
5	3	-1	s	s
6	-3	1	anti-s	\bar{s}
7	4	2	c	c
8	-4	-2	anti-c	\bar{c}
9	5	-1	b	b
10	-5	1	anti-b	\bar{b}
11	6	2	t	t
12	-6	-2	anti-t	\bar{t}
13	7	-1	b'	b'
14	-7	1	anti-b'	\bar{b}'
15	8	2	t'	t'
16	-8	-2	anti-t'	\bar{t}'
17	11	-3	e-	e^-
18	-11	3	e+	e^+
19	12	0	nu_e	ν_e
20	-12	0	anti-nu_e	$\bar{\nu}_e$
21	13	-3	mu-	μ^-
22	-13	3	mu+	μ^+
23	14	0	nu_mu	ν_μ
24	-14	0	anti-nu_mu	$\bar{\nu}_\mu$
25	15	-3	tau-	τ^-
26	-15	3	tau+	τ^+
27	16	0	nu_tau	ν_τ
28	-16	0	anti-nu_tau	$\bar{\nu}_\tau$
29	17	-3	L-	L^-
30	-17	3	L+	L^+
31	18	0	nu_L	ν_L
32	-18	0	anti-nu_L	$\bar{\nu}_L$
33	21	0	g	g
34	22	0	gamma	γ
35	-22	0	gammaFSR	γ^{FSR}
36	23	0	Z0	Z^0
37	24	3	W+	W^+
38	-24	-3	W-	W^-
39	25	0	Higgs0	h^0
40	32	0	Z'0	Z'^0

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41	33	0	$Z''0$	Z''
42	34	3	W'^+	W'^+
43	-34	-3	W'^-	W'^-
44	35	0	Higgs'0	$Higgs'^0$
45	36	0	A0	A^0
46	37	3	Higgs+	$Higgs^+$
47	-37	-3	Higgs-	$Higgs^-$
48	41	0	R0	R^0
49	-41	0	anti-R0	\bar{R}^0
50	43	0	Xu0	X_u^0
51	44	3	Xu+	X_u^+
52	-44	-3	Xu-	X_u^-
53	81	0	specflav	<i>specflav</i>
54	82	0	rndmflav	<i>rndmflav</i>
55	-82	0	anti-rndmflav	<i>rndmflav</i>
56	83	0	phasespa	<i>phasespa</i>
57	84	2	c-hadron	$c - \text{hadron}$
58	-84	-2	anti-c-hadron	$\bar{c} - \text{hadron}$
59	85	-1	b-hadron	$b - \text{hadron}$
60	-85	1	anti-b-hadron	$\bar{b} - \text{hadron}$
61	86	2	t-hadron	$t - \text{hadron}$
62	-86	-2	anti-t-hadron	$\bar{t} - \text{hadron}$
63	87	-1	b'-hadron	$b' - \text{hadron}$
64	-87	1	anti-b'-hadron	$\bar{b}' - \text{hadron}$
65	88	0	junction	<i>junction</i>
66	90	0	system	<i>system</i>
67	91	0	cluster	<i>cluster</i>
68	92	0	string	<i>string</i>
69	93	0	indep	<i>indep</i>
70	94	0	CMshower	<i>CMshower</i>
71	95	0	SPHEaxis	<i>SPHEaxis</i>
72	96	0	THRUaxis	<i>THRUaxis</i>
73	97	0	CLUSjet	<i>CLUSjet</i>
74	98	0	CELLjet	<i>CELLjet</i>
75	99	0	table	<i>table</i>
76	111	0	pi0	π^0
77	113	0	rho0	ρ^0
78	115	0	a_20	a_2^0
79	117	0	rho(3)(1690)0	$\rho_3(1690)^0$
80	119	0	a(4)(2040)0	$a_4(2040)^0$

index	PDG code	$3 \times \text{charge}$	text name	symbol
81	130	0	K_L0	K_L
82	150	0	B0L	$B0L$
83	211	3	pi+	π^+
84	-211	-3	pi-	π^-
85	213	3	rho+	ρ^+
86	-213	-3	rho-	ρ^-
87	215	3	a_2+	a_2^+
88	-215	-3	a_2-	a_2^-
89	217	3	rho(3)(1690)+	$\rho_3(1690)^+$
90	219	3	a(4)(2040)+	$a_4(2040)^+$
91	221	0	eta	η
92	223	0	omega	ω
93	225	0	f_2	$f_2(1270)$
94	227	0	omega(3)(1670)	$\omega_3(1670)$
95	229	0	f(4)(2050)	$f_4(2050)$
96	310	0	K_S0	K_S
97	311	0	K0	K^0
98	-311	0	anti-K0	K^0
99	313	0	K*0	K^*
100	-313	0	anti-K*0	K^*
101	315	0	K_2*0	K_2^{*0}
102	-315	0	anti-K_2*0	K_2^{*0}
103	317	0	K_3*0	$K_{3*}(1780)^0$
104	-317	0	anti-K_3*0	$K_{3*}(1780)^0$
105	319	0	K_4*0	$K_4^*(2045)^0$
106	-319	0	anti-K_4*0	$K_4^*(2045)^0$
107	321	3	K+	K^+
108	-321	-3	K-	K^-
109	323	3	K*+	K^{*+}
110	-323	-3	K*-	K^{*-}
111	325	3	K_2*+	K_2^{*+}
112	-325	-3	K_2*-	K_2^{*-}
113	327	3	K_3*+	$K_3^*(1780)^+$
114	-327	-3	K_3*-	$K_3^*(1780)^-$
115	329	3	K_4*+	$K_4^*(2045)^+$
116	-329	-3	K_4*-	$K_4^*(2045)^-$
117	331	0	eta'	η'
118	333	0	phi	ϕ
119	335	0	f'_2	f_2'
120	337	0	phi(3)(1850)	$\phi_3(1850)$

index	PDG code	$3 \times \text{charge}$	text name	symbol
121	350	0	B_s0L	$B_{s0}(L)$
122	411	3	D+	D^+
123	-411	-3	D-	D^-
124	413	3	D*+	D^{*+}
125	-413	-3	D*-	D^{*-}
126	415	3	D_2*+	D_2^{*+}
127	-415	-3	D_2*-	D_2^{*-}
128	421	0	D0	D^0
129	-421	0	anti-D0	D^0
130	423	0	D*0	D^{*0}
131	-423	0	anti-D*0	D^{*0}
132	425	0	D_2*0	D_2^{*0}
133	-425	0	anti-D_2*0	D_2^{*0}
134	431	3	D_s+	D_s^+
135	-431	-3	D_s-	D_s^-
136	433	3	D_s*+	D_s^{*+}
137	-433	-3	D_s*-	D_s^{*-}
138	435	3	D_s2*+	$D_{s2}^{*+}(2573)^+$
139	-435	-3	D_s2*-	$D_{s2}^{*+}(2573)^-$
140	441	0	eta_c	η_c
141	443	0	J/psi	J/ψ
142	445	0	chi_c2	χ_{c2}
143	510	0	B0H	B^0H
144	511	0	B0	B^0
145	-511	0	anti-B0	B^0
146	513	0	B*0	B^{*0}
147	-513	0	anti-B*0	B^{*0}
148	515	0	B_2*0	B_2^{*0}
149	-515	0	anti-B_2*0	B_2^{*0}
150	521	3	B+	B^+
151	-521	-3	B-	B^-
152	523	3	B*+	B^{*+}
153	-523	-3	B*-	B^{*-}
154	525	3	B_2*+	B_2^{*+}
155	-525	-3	B_2*-	B_2^{*-}
156	530	0	B_s0H	$B_{s0}(H)$
157	531	0	B_s0	B_s^0
158	-531	0	anti-B_s0	B_s^0
159	533	0	B_s*0	B_s^{*0}
160	-533	0	anti-B_s*0	B_s^{*0}

index	PDG code	$3 \times \text{charge}$	text name	symbol
161	535	0	B_s2*0	B_{s2}^{*0}
162	-535	0	anti-B_s2*0	\bar{B}_{s2}^{*0}
163	541	3	B_c+	B_c^+
164	-541	-3	B_c-	B_c^-
165	543	3	B_c*+	B_c^{*+}
166	-543	-3	B_c*-	B_c^{*-}
167	545	3	B_c2*+	B_{c2}^{*+}
168	-545	-3	B_c2*-	B_{c2}^{*-}
169	551	0	eta_b	$\eta_b(1S)$
170	553	0	Upsilon	$\Upsilon(1S)$
171	555	0	chi_b2	$\chi_{b2}(1P)$
172	557	0	Upsilon_3(1D)	$\Upsilon_3(1D)$
173	1103	-2	dd_1	$(dd)_1$
174	-1103	2	anti-dd_1	$(\bar{d}\bar{d})_1$
175	1114	-3	Delta-	Δ^-
176	-1114	3	anti-Delta+	$\bar{\Delta}^-$
177	2101	1	ud_0	$(ud)_0$
178	-2101	-1	anti-ud_0	$(\bar{u}\bar{d})_0$
179	2103	1	ud_1	$(ud)_1$
180	-2103	-1	anti-ud_1	$(\bar{u}\bar{d})_1$
181	2112	0	n0	n
182	-2112	0	anti-n0	\bar{n}
183	2114	0	Delta0	Δ^0
184	-2114	0	anti-Delta0	$\bar{\Delta}^0$
185	2203	4	uu_1	$(uu)_1$
186	-2203	-4	anti-uu_1	$(\bar{u}\bar{u})_1$
187	2212	3	p+	p
188	-2212	-3	anti-p-	\bar{p}
189	2214	3	Delta+	Δ^+
190	-2214	-3	anti-Delta-	$\bar{\Delta}^+$
191	2224	6	Delta++	Δ^{++}
192	-2224	-6	anti-Delta--	$\bar{\Delta}^{++}$
193	3101	-2	sd_0	$(sd)_0$
194	-3101	2	anti-sd_0	$(\bar{s}\bar{d})_0$
195	3103	-2	sd_1	$(sd)_1$
196	-3103	2	anti-sd_1	$(\bar{s}\bar{d})_1$
197	3112	-3	Sigma-	Σ^-
198	-3112	3	anti-Sigma+	$\bar{\Sigma}^+$
199	3114	-3	Sigma*-	Σ^{*-}
200	-3114	3	anti-Sigma*+	$\bar{\Sigma}^{*+}$

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201	3122	0	Lambda0	Λ
202	-3122	0	anti-Lambda0	$\bar{\Lambda}$
203	3124	0	Lambda(1520)0	$\Lambda(1520)^0$
204	-3124	0	anti-Lambda(1520)0	$\bar{\Lambda}(1520)^0$
205	3126	0	Lambda(1820)0	$\Lambda(1820)^0$
206	-3126	0	anti-Lambda(1820)0	$\bar{\Lambda}(1820)^0$
207	3201	1	su_0	$(su)_0$
208	-3201	-1	anti-su_0	$(su)_0$
209	3203	1	su_1	$(su)_1$
210	-3203	-1	anti-su_1	$(su)_1$
211	3212	0	Sigma0	Σ^0
212	-3212	0	anti-Sigma0	$\bar{\Sigma}^0$
213	3214	0	Sigma*0	Σ^{*0}
214	-3214	0	anti-Sigma*0	$\bar{\Sigma}^{*0}$
215	3216	0	Sigma(1775)0	$\Sigma(1775)^0$
216	-3216	0	anti-Sigma(1775)0	$\bar{\Sigma}(1775)^0$
217	3222	3	Sigma+	Σ^+
218	-3222	-3	anti-Sigma-	Σ^-
219	3224	3	Sigma*+	Σ^{*+}
220	-3224	-3	anti-Sigma*-	Σ^{*-}
221	3303	-2	ss_1	$(ss)_1$
222	-3303	2	anti-ss_1	$(ss)_1$
223	3312	-3	Xi-	Ξ^-
224	-3312	3	anti-Xi+	$\bar{\Xi}^+$
225	3314	-3	Xi*-	Ξ^{*-}
226	-3314	3	anti-Xi*+	$\bar{\Xi}^{*+}$
227	3322	0	Xi0	Ξ^0
228	-3322	0	anti-Xi0	$\bar{\Xi}^0$
229	3324	0	Xi*0	Ξ^{*0}
230	-3324	0	anti-Xi*0	$\bar{\Xi}^{*0}$
231	3334	-3	Omega-	Ω^-
232	-3334	3	anti-Omega+	Ω^+
233	4101	1	cd_0	$(cd)_0$
234	-4101	-1	anti-cd_0	$(cd)_0$
235	4103	1	cd_1	$(cd)_1$
236	-4103	-1	anti-cd_1	$(cd)_1$
237	4112	0	Sigma_c0	Σ_c^0
238	-4112	0	anti-Sigma_c0	$\bar{\Sigma}_c^0$
239	4114	0	Sigma_c*0	Σ_c^{*0}
240	-4114	0	anti-Sigma_c*0	$\bar{\Sigma}_c^{*0}$

index	PDG code	$3 \times \text{charge}$	text name	symbol
241	4122	3	Lambda_c+	Λ_c^+
242	-4122	-3	anti-Lambda_c-	Λ_c^-
243	4124	3	Lambda_c(2625)+	$\Lambda_c(2625)^+$
244	-4124	-3	anti-Lambda_c(2625)-	$\Lambda_c(2625)^-$
245	4132	0	Xi_c0	Ξ_c^0
246	-4132	0	anti-Xi_c0	Ξ_c^0
247	4201	4	cu_0	$(cu)_0$
248	-4201	-4	anti-cu_0	$(cu)_0$
249	4203	4	cu_1	$(cu)_1$
250	-4203	-4	anti-cu_1	$(cu)_1$
251	4212	3	Sigma_c+	Σ_c^+
252	-4212	-3	anti-Sigma_c-	Σ_c^-
253	4214	3	Sigma_c*+	Σ_c^{*+}
254	-4214	-3	anti-Sigma_c*-	Σ_c^{*-}
255	4222	6	Sigma_c++	Σ_c^{++}
256	-4222	-6	anti-Sigma_c--	Σ_c^{--}
257	4224	6	Sigma_c*++	Σ_c^{*++}
258	-4224	-6	anti-Sigma_c*--	Σ_c^{*--}
259	4232	3	Xi_c+	Ξ_c^+
260	-4232	-3	anti-Xi_c-	Ξ_c^-
261	4301	1	cs_0	$(cs)_0$
262	-4301	-1	anti-cs_0	$(cs)_0$
263	4303	1	cs_1	$(cs)_1$
264	-4303	-1	anti-cs_1	$(cs)_1$
265	4312	0	Xi'_c0	$\Xi_c'^0$
266	-4312	0	anti-Xi'_c0	$\Xi_c'^0$
267	4314	0	Xi_c*0	Ξ_c^{*0}
268	-4314	0	anti-Xi_c*0	Ξ_c^{*0}
269	4322	3	Xi'_c+	$\Xi_c'^+$
270	-4322	-3	anti-Xi'_c-	$\Xi_c'^-$
271	4324	3	Xi_c*+	Ξ_c^{*+}
272	-4324	-3	anti-Xi_c*-	Ξ_c^{*-}
273	4332	0	Omega_c0	Ω_c^0
274	-4332	0	anti-Omega_c0	Ω_c^0
275	4334	0	Omega_c*0	Ω_c^{*0}
276	-4334	0	anti-Omega_c*0	Ω_c^{*0}
277	4403	4	cc_1	$(cc)_1$
278	-4403	-4	anti-cc_1	$(cc)_1$
279	4412	3	Xi_cc+	Ξ_{cc}^+
280	-4412	-3	anti-Xi_cc-	Ξ_{cc}^-

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281	4414	3	Xi_cc*+	Ξ_{cc}^{*+}
282	-4414	-3	anti-Xi_cc*-	Ξ_{cc}^{*-}
283	4422	6	Xi_cc++	Ξ_{cc}^{++}
284	-4422	-6	anti-Xi_cc--	Ξ_{cc}^{--}
285	4424	6	Xi_cc*++	Ξ_{cc}^{*++}
286	-4424	-6	anti-Xi_cc*-	Ξ_{cc}^{*-}
287	4432	3	Omega_cc+	Ω_{cc}^{+}
288	-4432	-3	anti-Omega_cc-	Ω_{cc}^{+}
289	4434	3	Omega_cc*+	Ω_{cc}^{*+}
290	-4434	-3	anti-Omega_cc*-	Ω_{cc}^{*-}
291	5101	-2	bd_0	$(bd)_0$
292	-5101	2	anti-bd_0	$(bd)_0$
293	5103	-2	bd_1	$(bd)_1$
294	-5103	2	anti-bd_1	$(bd)_1$
295	5112	-3	Sigma_b-	Σ_b^{-}
296	-5112	3	anti-Sigma_b+	Σ_b^{+}
297	5114	-3	Sigma_b*-	Σ_b^{*-}
298	-5114	3	anti-Sigma_b*+	Σ_b^{*-}
299	5122	0	Lambda_b0	Λ_b^0
300	-5122	0	anti-Lambda_b0	Λ_b^0
301	5132	-3	Xi_b-	Ξ_b^{-}
302	-5132	3	anti-Xi_b+	Ξ_b^{+}
303	5201	1	bu_0	$(bu)_0$
304	-5201	-1	anti-bu_0	$(bu)_0$
305	5203	1	bu_1	$(bu)_1$
306	-5203	-1	anti-bu_1	$(bu)_1$
307	5212	0	Sigma_b0	Σ_b^0
308	-5212	0	anti-Sigma_b0	Σ_b^0
309	5214	0	Sigma_b*0	Σ_b^{*0}
310	-5214	0	anti-Sigma_b*0	Σ_b^{*0}
311	5222	3	Sigma_b+	Σ_b^{+}
312	-5222	-3	anti-Sigma_b-	Σ_b^{+}
313	5224	3	Sigma_b*+	Σ_b^{*+}
314	-5224	-3	anti-Sigma_b*-	Σ_b^{*-}
315	5232	0	Xi_b0	Ξ_b^0
316	-5232	0	anti-Xi_b0	Ξ_b^0
317	5301	-2	bs_0	$(bs)_0$
318	-5301	2	anti-bs_0	$(bs)_0$
319	5303	-2	bs_1	$(bs)_1$
320	-5303	2	anti-bs_1	$(bs)_1$

index	PDG code	$3 \times \text{charge}$	text name	symbol
321	5312	-3	Ξ'_b-	$\Xi_b'^{-}$
322	-5312	3	$\text{anti-}\Xi'_b+$	$\Xi_b'^{+}$
323	5314	-3	Ξ_b^{*-}	Ξ_b^{*-}
324	-5314	3	$\text{anti-}\Xi_b^{*+}$	Ξ_b^{*+}
325	5322	0	Ξ'_b0	$\Xi_b'^0$
326	-5322	0	$\text{anti-}\Xi'_b0$	$\Xi_b'^0$
327	5324	0	Ξ_b^{*0}	Ξ_b^{*0}
328	-5324	0	$\text{anti-}\Xi_b^{*0}$	Ξ_b^{*0}
329	5332	-3	Ω_b-	Ω_b^{-}
330	-5332	3	$\text{anti-}\Omega_b+$	Ω_b^{+}
331	5334	-3	Ω_b^{*-}	Ω_b^{*-}
332	-5334	3	$\text{anti-}\Omega_b^{*+}$	Ω_b^{*+}
333	5401	1	bc_0	$(bc)_0$
334	-5401	-1	$\text{anti-}bc_0$	$(bc)_0$
335	5403	1	bc_1	$(bc)_1$
336	-5403	-1	$\text{anti-}bc_1$	$(bc)_1$
337	5503	-2	bb_1	$(bb)_1$
338	-5503	2	$\text{anti-}bb_1$	$(bs)_1$
339	10022	0	$vpho$	$vpho$
340	10111	0	$a(0)(1450)0$	a_0^0
341	10113	0	b_10	b_1^0
342	10115	0	$\pi(2)(1670)0$	$\pi_2(1670)^0$
343	10211	3	$a(0)(1450)+$	a_0^{+}
344	10213	3	b_1+	b_1^{+}
345	-10213	-3	b_1-	b_1^{-}
346	10215	3	$\pi(2)(1670)+$	$\pi_2(1670)^{+}$
347	10223	0	h_1	$h_1(1170)$
348	10225	0	$\eta(2)(1645)$	$\eta_2(1645)$
349	10311	0	K_0^{*0}	K_0^{*0}
350	-10311	0	$\text{anti-}K_0^{*0}$	K_0^{*0}
351	10313	0	K_10	K_1^0
352	-10313	0	$\text{anti-}K_10$	K_1^0
353	10315	0	$K(2)(1770)0$	$K_2^0(1770)$
354	10321	3	K_0^{*+}	K_0^{*+}
355	-10321	-3	K_0^{*-}	K_0^{*-}
356	10323	3	K_1+	K_1^{+}
357	-10323	-3	K_1-	K_1^{-}
358	10325	3	$K(2)(1770)+$	$K_2^{+}(1770)$
359	10331	0	$f(0)(1710)$	$f_0(1710)$
360	10333	0	h'_1	$h_1(1380)$

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361	10411	3	D_0*+	D_0^{*+}
362	-10411	-3	D_0*-	D_0^{*-}
363	10413	3	D_1+	D_1^+
364	-10413	-3	D_1-	D_1^-
365	10421	0	D_0*0	D_0^{*0}
366	-10421	0	anti-D_0*0	\bar{D}_0^{*0}
367	10423	0	D_10	D_1^0
368	-10423	0	anti-D_10	\bar{D}_1^0
369	10431	3	D_s0*+	D_{s0}^{*+}
370	-10431	-3	D_s0*-	D_{s0}^{*-}
371	10433	3	D'_s1+	D_{s1}^+
372	-10433	-3	D'_s1-	D_{s1}^-
373	10441	0	chi_c0	χ_{c0}
374	10443	0	h_c	h_c
375	10511	0	B_0*0	B_0^{*0}
376	-10511	0	anti-B_0*0	\bar{B}_0^{*0}
377	10513	0	B_10	$B_1(L)^0$
378	-10513	0	anti-B_10	$\bar{B}_1(L)^0$
379	10521	3	B_0*+	B_0^{*+}
380	-10521	-3	B_0*-	B_0^{*-}
381	10523	3	B_1+	$B_1(L)^+$
382	-10523	-3	B_1-	$B_1(L)^-$
383	10531	0	B_s0*0	B_{s0}^{*0}
384	-10531	0	anti-B_s0*0	\bar{B}_{s0}^{*0}
385	10533	0	B_s10	$B_{s1}(L)^0$
386	-10533	0	anti-B_s10	$\bar{B}_{s1}(L)^0$
387	10541	3	B_c0*+	B_{c0}^{*+}
388	-10541	-3	B_c0*-	B_{c0}^{*-}
389	10543	3	B_c1+	$B_{c1}(L)^+$
390	-10543	-3	B_c1-	$B_{c1}(L)^-$
391	10551	0	chi_b0	$\chi_{b0}(1P)$
392	10553	0	h_b	$h_b(1P)$
393	10555	0	eta_b2(1D)	$\eta_{b2}(1D)$
394	13122	0	Lambda(1405)0	$\Lambda(1405)^0$
395	-13122	0	anti-Lambda(1405)0	$\bar{\Lambda}(1405)^0$
396	13124	0	Lambda(1690)0	$\Lambda(1690)^0$
397	-13124	0	anti-Lambda(1690)0	$\bar{\Lambda}(1690)^0$
398	13126	0	Lambda(1830)0	$\Lambda(1830)^0$
399	-13126	0	anti-Lambda(1830)0	$\bar{\Lambda}(1830)^0$
400	13212	0	Sigma(1660)0	$\Sigma(1660)^0$

index	PDG code	$3 \times \text{charge}$	text name	symbol
401	-13212	0	anti-Sigma(1660)0	$\Sigma(1660)^0$
402	13214	0	Sigma(1670)0	$\Sigma(1670)^0$
403	-13214	0	anti-Sigma(1670)0	$\Sigma(1670)^0$
404	14122	3	Lambda_c(2593)+	$\Lambda_c(2593)^+$
405	-14122	-3	anti-Lambda_c(2593)-	$\Lambda_c(2593)^-$
406	20022	0	Cerenkov	<i>Cerenkov</i>
407	20113	0	a_10	a_1^0
408	20213	3	a_1+	a_1^+
409	-20213	-3	a_1-	a_1^-
410	20223	0	f_1	$f_1(1285)$
411	20313	0	K'_10	$K_1^{'0}$
412	-20313	0	anti-K'_10	$\bar{K}_1^{'0}$
413	20315	0	K(2)(1820)0	$K_2^0(1820)$
414	20323	3	K'_1+	$K_1^{' +}$
415	-20323	-3	K'_1-	$\bar{K}_1^{' -}$
416	20325	3	K(2)(1820)+	$K_2^+(1820)$
417	20333	0	f'_1	$f_1(1420)$
418	20413	3	D'_1+	$D_1^{' +}$
419	-20413	-3	D'_1-	$D_1^{' -}$
420	20423	0	D'_10	$D_1^{'0}$
421	-20423	0	anti-D'_10	$\bar{D}_1^{'0}$
422	20433	3	D_s1+	$D_{s1}^{' +}$
423	-20433	-3	D_s1-	$D_{s1}^{' -}$
424	20443	0	chi_c1	χ_{c1}
425	20513	0	B'_10	$B_1(H)^0$
426	-20513	0	anti-B'_10	$\bar{B}_1(H)^0$
427	20523	3	B'_1+	$B_1(H)^+$
428	-20523	-3	B'_1-	$B_1(H)^-$
429	20533	0	B'_s10	$B_{s1}(H)^0$
430	-20533	0	anti-B'_s10	$\bar{B}_{s1}(H)^0$
431	20543	3	B'_c1+	$B_{c1}(H)^+$
432	-20543	-3	B'_c1-	$B_{c1}(H)^-$
433	20553	0	chi_b1	$\chi_{b1}(1P)$
434	20555	0	Upsilon_2(1D)	$\Upsilon_2(1D)$
435	23122	0	Lambda(1600)0	$\Lambda(1600)^0$
436	-23122	0	anti-Lambda(1600)0	$\Lambda(1600)^0$
437	23212	0	Sigma(1750)0	$\Sigma(1750)^0$
438	-23212	0	anti-Sigma(1750)0	$\Sigma(1750)^0$
439	30113	0	rho(3S)0	$\rho(1700)^0$
440	30213	3	rho(3S)+	$\rho(1700)^+$

index	PDG code	$3 \times \text{charge}$	text name	symbol
441	-30213	-3	rho(3S)-	$\rho(1700)^-$
442	30221	0	f'_0	f'_0
443	30223	0	omega(1650)	$\omega(1650)$
444	30313	0	K''*0	$K^*(1680)^0$
445	-30313	0	anti-K''*0	$K^*(1680)^0$
446	30323	3	K''*+	$K^*(1680)^+$
447	-30323	-3	K''*-	$K^*(1680)^-$
448	30343	0	Xsd	X_{sd}
449	-30343	0	anti-Xsd	X_{sd}
450	30353	3	Xsu	X_{su}
451	-30353	-3	anti-Xsu	X_{su}
452	30363	0	Xss	X_{ss}
453	-30363	0	anti-Xss	X_{ss}
454	30443	0	psi(3770)	$\psi(3770)$
455	30553	0	Upsilon_1(1D)	$\Upsilon_1(1D)$
456	30643	0	Xdd	X_{dd}
457	-30643	0	anti-Xdd	X_{dd}
458	30653	3	Xdu+	X_{du}^+
459	-30653	-3	anti-Xdu-	X_{du}^-
460	33122	0	Lambda(1670)0	$\Lambda(1670)^0$
461	-33122	0	anti-Lambda(1670)0	$\Lambda(1670)^0$
462	43122	0	Lambda(1800)0	$\Lambda(1800)^0$
463	-43122	0	anti-Lambda(1800)0	$\Lambda(1800)^0$
464	53122	0	Lambda(1810)0	$\Lambda(1810)^0$
465	-53122	0	anti-Lambda(1810)0	$\Lambda(1810)^0$
466	100111	0	pi(2S)0	$\pi(1300)^0$
467	100113	0	rho(2S)0	$\rho^0(1450)$
468	100211	3	pi(2S)+	$\pi(1300)^+$
469	-100211	-3	pi(2S)-	$\pi(1300)^-$
470	100213	3	rho(2S)+	$\rho^+(1450)$
471	-100213	-3	rho(2S)-	$\rho^-(1450)$
472	100221	0	eta(2S)	$\eta(1295)$
473	100223	0	omega(2S)	$\omega(1420)$
474	100313	0	K'*0	$K^*(1410)^0$
475	-100313	0	anti-K'*0	$K^*(1410)^0$
476	100323	3	K'*+	$K^*(1410)^+$
477	-100323	-3	K'*-	$K^*(1410)^-$
478	100331	0	eta(1475)	$\eta(1475)$
479	100333	0	phi(1680)	$\phi(1680)$
480	100411	3	D(2S)+	$D(2S)^+$

index	PDG code	$3 \times \text{charge}$	text name	symbol
481	-100411	-3	D(2S)-	$D(2S)^-$
482	100413	3	D*(2S)+	$D^*(2S)^+$
483	-100413	-3	D*(2S)-	$D^*(2S)^-$
484	100421	0	D(2S)0	$D(2S)^0$
485	-100421	0	anti-D(2S)0	$D(2S)^0$
486	100423	0	D*(2S)0	$D^*(2S)^0$
487	-100423	0	anti-D*(2S)0	$D^*(2S)^0$
488	100441	0	eta_c(2S)	$\eta_c(2S)$
489	100443	0	psi(2S)	ψ'
490	100551	0	eta_b(2S)	$\eta_b(2S)$
491	100553	0	Upsilon(2S)	$\Upsilon(2S)$
492	100555	0	chi_b2(2P)	$\eta_{b2}(2P)$
493	100557	0	Upsilon_3(2D)	$\Upsilon_3(2D)$
494	110551	0	chi_b0(2P)	$\chi_{b0}(2P)$
495	110553	0	h_b(2P)	$h_b(2P)$
496	110555	0	eta_b2(2D)	$\eta_{b2}(2D)$
497	120553	0	chi_b1(2P)	$\chi_{b1}(2P)$
498	120555	0	Upsilon_2(2D)	$\Upsilon_2(2D)$
499	130553	0	Upsilon_1(2D)	$\Upsilon_1(2D)$
500	200551	0	eta_b(3S)	$\eta_b(3S)$
501	200553	0	Upsilon(3S)	$\Upsilon(3S)$
502	200555	0	chi_b2(3P)	$\chi_{b2}(3P)$
503	210551	0	chi_b0(3P)	$\chi_{b0}(3P)$
504	210553	0	h_b(3P)	$h_b(3P)$
505	220553	0	chi_b1(3P)	$\chi_{b1}(3P)$
506	300553	0	Upsilon(4S)	$\Upsilon(4S)$
507	9000111	0	a_00	a_0^0
508	9000113	0	pi(1)(1400)0	$\pi_1(1600)^0$
509	9000211	3	a_0+	a_0^+
510	-9000211	-3	a_0-	a_0^-
511	9000213	3	pi(1)(1400)+	$\pi_1(1600)^+$
512	9000221	0	sigma_0	$f_0(600)$
513	9000443	0	psi(4040)	$\psi(4040)$
514	9000553	0	Upsilon(5S)	$\Upsilon(10860)$
515	9010111	0	pi(1800)0	$\pi(1800)^0$
516	9010113	0	pi(1)(1600)0	$\pi_1(1600)^0$
517	9010211	3	pi(1800)+	$\pi(1800)^+$
518	9010213	3	pi(1)(1600)+	$\pi_1(1600)^+$
519	9010221	0	f_0	$f_0(980)$
520	9010443	0	psi(4160)	$\psi(4160)$

index	PDG code	$3 \times \text{charge}$	text name	symbol
521	9020221	0	eta(1405)	$\eta(1405)$
522	9020443	0	psi(4415)	$\psi(4415)$
523	9030221	0	f_0(1500)	$f_0(1500)$
524	9042413	3	Z(4430)+	$Z(4430)^+$
525	-9042413	-3	Z(4430)-	$Z(4430)^-$
526	9050225	0	f(2)(1950)	$f_2(1950)$
527	9060225	0	f(2)(2010)	$f_2(2010)$
528	9080225	0	f(2)(2300)	$f_2(2300)$
529	9090225	0	f(2)(2340)	$f_2(2340)$
530	9910445	0	X_2(3872)	$X_2(3872)$
531	9920443	0	X_1(3872)	$X_1(3872)$
532	22222222	0	gammaISR	γ^{ISR}
533	480000000	0	geantino	<i>geantino</i>
534	1000010020	3	deuteron	<i>deuteron</i>
535	-1000010020	-3	anti-deuteron	<i>deuteron</i>
536	1000010030	3	tritium	<i>tritium</i>
537	-1000010030	-3	anti-tritium	<i>tritium</i>
538	1000020030	6	He3	He^3
539	-1000020030	-6	anti-He3	\bar{He}^3
540	1000020040	6	alpha	α
541	-1000020040	-6	anti-alpha	$\bar{\alpha}$