

Testing heppennames

Generated by andy

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1 Normal font

- `\hepnames` ⇒ hepnames
- `\heppennames` ⇒ heppennames
- `\PB` ⇒ B^-
- `\PBpm` ⇒ B^\pm
- `\PBmp` ⇒ B^\mp
- `\PBp` ⇒ B^+
- `\PBm` ⇒ B^-
- `\PBz` ⇒ B^0
- `\PdB` ⇒ B_d^0
- `\PuB` ⇒ B^+
- `\PcB` ⇒ B_c^+
- `\PsB` ⇒ B_s^0
- `\PaB` ⇒ \bar{B}
- `\PaBz` ⇒ \bar{B}^0
- `\PadB` ⇒ \bar{B}_d^0
- `\PauB` ⇒ B^-
- `\PacB` ⇒ B_c^-
- `\PasB` ⇒ \bar{B}_s^0
- kaon
`\PK` ⇒ K^-
- charged kaon
`\PKpm` ⇒ K^\pm
- charged kaon
`\PKmp` ⇒ K^\mp
- negative kaon
`\PKm` ⇒ K^-
- positive kaon
`\PKp` ⇒ K^+
- neutral kaon
`\PKz` ⇒ K^0
- K-long
`\PKzL` ⇒ K_L^0

- K-short
 $\text{\textbackslash PKzS} \Rightarrow K_S^0$
- K star
 $\text{\textbackslash PKst} \Rightarrow K^*$
- anti-kaon
 $\text{\textbackslash PaK} \Rightarrow \bar{K}$
- neutral anti-kaon
 $\text{\textbackslash PaKz} \Rightarrow \bar{K}^0$
- $\text{\textbackslash PKeiii} \Rightarrow K_{e3}$
- $\text{\textbackslash PKgmiii} \Rightarrow K_{\mu 3}$
- $\text{\textbackslash PKzeiii} \Rightarrow K_{e3}^0$
- $\text{\textbackslash PKzgmiii} \Rightarrow K_{\mu 3}^0$
- $\text{\textbackslash PKia} \Rightarrow K_1(1400)$
- $\text{\textbackslash PKii} \Rightarrow K_2(1770)$
- $\text{\textbackslash PKi} \Rightarrow K_1(1270)$
- $\text{\textbackslash PKsti} \Rightarrow K^*(892)$
- $\text{\textbackslash PKsta} \Rightarrow K^*(1370)$
- $\text{\textbackslash PKstb} \Rightarrow K^*(1680)$
- $\text{\textbackslash PKstiii} \Rightarrow K_3^*(1780)$
- $\text{\textbackslash PKstii} \Rightarrow K_2^*(1430)$
- $\text{\textbackslash PKstiv} \Rightarrow K_4^*(2045)$
- $\text{\textbackslash PKstz} \Rightarrow K_0^*(1430)$
- $\text{\textbackslash PN} \Rightarrow N$
- $\text{\textbackslash PNa} \Rightarrow N(1440) P_{11}$
- $\text{\textbackslash PNb} \Rightarrow N(1520) D_{13}$
- $\text{\textbackslash PNc} \Rightarrow N(1535) S_{11}$
- $\text{\textbackslash PNd} \Rightarrow N(1650) S_{11}$
- $\text{\textbackslash PNe} \Rightarrow N(1675) D_{15}$
- $\text{\textbackslash PNf} \Rightarrow N(1680) F_{15}$
- $\text{\textbackslash PNG} \Rightarrow N(1700) D_{13}$
- $\text{\textbackslash PNh} \Rightarrow N(1710) P_{11}$
- $\text{\textbackslash PNi} \Rightarrow N(1720) P_{13}$
- $\text{\textbackslash PNj} \Rightarrow N(2190) G_{17}$
- $\text{\textbackslash PNk} \Rightarrow N(2220) H_{19}$
- $\text{\textbackslash PNl} \Rightarrow N(2250) G_{19}$
- $\text{\textbackslash PNm} \Rightarrow N(2600) I_{1,11}$
- gluon
 $\text{\textbackslash Pg} \Rightarrow g$
- photon
 $\text{\textbackslash Pgg} \Rightarrow \gamma$
- W boson
 $\text{\textbackslash PW} \Rightarrow W$
- charged W boson
 $\text{\textbackslash PWpm} \Rightarrow W^\pm$
- charged W boson
 $\text{\textbackslash PWmp} \Rightarrow W^\mp$
- W-plus
 $\text{\textbackslash PWp} \Rightarrow W^+$
- W-minus
 $\text{\textbackslash PWm} \Rightarrow W^-$

- $\text{\textcolor{red}{PWR}} \Rightarrow W_R$
- W-prime boson
 $\text{\textcolor{red}{PWpr}} \Rightarrow W'$
- Z boson
 $\text{\textcolor{red}{PZ}} \Rightarrow Z$
- neutral Z boson
 $\text{\textcolor{red}{PZz}} \Rightarrow Z^0$
- Z-prime boson
 $\text{\textcolor{red}{PZpr}} \Rightarrow Z'$
- left-right Z boson
 $\text{\textcolor{red}{PZLR}} \Rightarrow Z_{\text{LR}}$
- $\text{\textcolor{red}{PZgc}} \Rightarrow Z_\chi$
- $\text{\textcolor{red}{PZge}} \Rightarrow Z_\eta$
- $\text{\textcolor{red}{PZgy}} \Rightarrow Z_\psi$
- $\text{\textcolor{red}{PZi}} \Rightarrow Z_1$
- axion
 $\text{\textcolor{red}{PAz}} \Rightarrow A^0$
- standard/heavy Higgs
 $\text{\textcolor{red}{PH}} \Rightarrow H$
- explicitly neutral standard/heavy Higgs
 $\text{\textcolor{red}{PHz}} \Rightarrow H^0$
- light Higgs
 $\text{\textcolor{red}{Ph}} \Rightarrow h$
- explicitly neutral light Higgs
 $\text{\textcolor{red}{Phz}} \Rightarrow h^0$
- pseudoscalar Higgs
 $\text{\textcolor{red}{PA}} \Rightarrow A$
- explicitly neutral pseudoscalar Higgs
 $\text{\textcolor{red}{PAz}} \Rightarrow A^0$
- charged Higgs
 $\text{\textcolor{red}{PHpm}} \Rightarrow H^\pm$
- charged Higgs
 $\text{\textcolor{red}{PHmp}} \Rightarrow H^\mp$
- positive-charged Higgs
 $\text{\textcolor{red}{PHp}} \Rightarrow H^+$
- negative-charged Higgs
 $\text{\textcolor{red}{PHm}} \Rightarrow H^-$
- lepton
 $\text{\textcolor{red}{Pl}} \Rightarrow \ell$
- charged lepton
 $\text{\textcolor{red}{Plpm}} \Rightarrow \ell^\pm$
- charged lepton
 $\text{\textcolor{red}{Plmp}} \Rightarrow \ell^\mp$
- positive lepton
 $\text{\textcolor{red}{Plp}} \Rightarrow \ell^+$
- negative lepton
 $\text{\textcolor{red}{Plm}} \Rightarrow \ell^-$
- anti-lepton
 $\text{\textcolor{red}{Pal}} \Rightarrow \bar{\ell}$
- generic neutrino
 $\text{\textcolor{red}{Pgn}} \Rightarrow \nu$
- neutrino (for lepton ell)
 $\text{\textcolor{red}{Pgnl}} \Rightarrow \nu_\ell$

- generic anti-neutrino
 $\text{\textbackslash Pagn} \Rightarrow \bar{\nu}$
- anti-neutrino (for lepton ell)
 $\text{\textbackslash Pagnl} \Rightarrow \bar{\nu}_\ell$
- electronic
 $\text{\textbackslash Pe} \Rightarrow e$
- e plus/minus
 $\text{\textbackslash Pepm} \Rightarrow e^\pm$
- e minus/plus
 $\text{\textbackslash Pemp} \Rightarrow e^\mp$
- electron
 $\text{\textbackslash Pem} \Rightarrow e^-$
- positron
 $\text{\textbackslash Pep} \Rightarrow e^+$
- muonic
 $\text{\textbackslash Pgmm} \Rightarrow \mu$
- mu plus/minus
 $\text{\textbackslash Pgmpm} \Rightarrow \mu^\pm$
- mu minus/plus
 $\text{\textbackslash Pgmmmp} \Rightarrow \mu^\mp$
- muon
 $\text{\textbackslash Pgmm} \Rightarrow \mu^-$
- anti-muon
 $\text{\textbackslash Pgmp} \Rightarrow \mu^+$
- tauonic
 $\text{\textbackslash Pgt} \Rightarrow \tau$
- tau plus/minus
 $\text{\textbackslash Pgtmpm} \Rightarrow \tau^\pm$
- tau minus/plus
 $\text{\textbackslash Pgtmp} \Rightarrow \tau^\mp$
- tau lepton
 $\text{\textbackslash Pgtm} \Rightarrow \tau^-$
- anti-tau
 $\text{\textbackslash Pgtp} \Rightarrow \tau^+$
- electron neutrino
 $\text{\textbackslash Pgne} \Rightarrow \nu_e$
- muon neutrino
 $\text{\textbackslash Pgngm} \Rightarrow \nu_\mu$
- tau neutrino
 $\text{\textbackslash Pgngt} \Rightarrow \nu_\tau$
- electron anti-neutrino
 $\text{\textbackslash Pagne} \Rightarrow \bar{\nu}_e$
- muon anti-neutrino
 $\text{\textbackslash Pagngm} \Rightarrow \bar{\nu}_\mu$
- tau anti-neutrino
 $\text{\textbackslash Pagngt} \Rightarrow \bar{\nu}_\tau$
- quark
 $\text{\textbackslash Pq} \Rightarrow q$
- anti-quark
 $\text{\textbackslash Paq} \Rightarrow \bar{q}$
- down quark
 $\text{\textbackslash Pqd} \Rightarrow d$
- up quark
 $\text{\textbackslash Pqu} \Rightarrow u$
- strange quark
 $\text{\textbackslash Pqs} \Rightarrow s$

- charm quark
 $\text{\textbackslash Pqc} \Rightarrow c$
- bottom quark
 $\text{\textbackslash Pqb} \Rightarrow b$
- top quark
 $\text{\textbackslash Pqt} \Rightarrow t$
- down anti-quark
 $\text{\textbackslash Paqd} \Rightarrow \bar{d}$
- up anti-quark
 $\text{\textbackslash Paqu} \Rightarrow \bar{u}$
- strange anti-quark
 $\text{\textbackslash Paqs} \Rightarrow \bar{s}$
- charm anti-quark
 $\text{\textbackslash Paqc} \Rightarrow \bar{c}$
- bottom anti-quark
 $\text{\textbackslash Paqb} \Rightarrow \bar{b}$
- top anti-quark
 $\text{\textbackslash Paqt} \Rightarrow \bar{t}$
- $\text{\textbackslash Pqb} \Rightarrow b$
- $\text{\textbackslash Pqc} \Rightarrow c$
- $\text{\textbackslash Pqd} \Rightarrow d$
- $\text{\textbackslash Pqs} \Rightarrow s$
- $\text{\textbackslash Pqt} \Rightarrow t$
- $\text{\textbackslash Pqu} \Rightarrow u$
- $\text{\textbackslash Pq} \Rightarrow q$
- anti-bottom quark
 $\text{\textbackslash Paqb} \Rightarrow \bar{b}$
- anti-charm quark
 $\text{\textbackslash Paqc} \Rightarrow \bar{c}$
- anti-down quark
 $\text{\textbackslash Paqd} \Rightarrow \bar{d}$
- anti-strange quark
 $\text{\textbackslash Paqs} \Rightarrow \bar{s}$
- anti-top quark
 $\text{\textbackslash Paqt} \Rightarrow \bar{t}$
- anti-up quark
 $\text{\textbackslash Paqu} \Rightarrow \bar{u}$
- anti-quark
 $\text{\textbackslash Paq} \Rightarrow \bar{q}$
- proton
 $\text{\textbackslash Pp} \Rightarrow p$
- neutron
 $\text{\textbackslash Pn} \Rightarrow n$
- anti-proton
 $\text{\textbackslash Pap} \Rightarrow \bar{p}$
- anti-neutron
 $\text{\textbackslash Pan} \Rightarrow \bar{n}$
- $\text{\textbackslash Pcgc} \Rightarrow \chi_c$
- $\text{\textbackslash Pcgci} \Rightarrow \chi_{c2}(1P)$
- $\text{\textbackslash Pcgci} \Rightarrow \chi_{c1}(1P)$
- $\text{\textbackslash Pcgcz} \Rightarrow \chi_{c0}(1P)$

- $\text{\textbackslash Pfia} \Rightarrow f_1(1390)$
- $\text{\textbackslash Pfib} \Rightarrow f_1(1510)$
- $\text{\textbackslash Pfia} \Rightarrow f_2(1720)$
- $\text{\textbackslash Pfib} \Rightarrow f_2(2010)$
- $\text{\textbackslash Pfiic} \Rightarrow f_2(2300)$
- $\text{\textbackslash Pfiid} \Rightarrow f_2(2340)$
- $\text{\textbackslash Pfiipr} \Rightarrow f'_2(1525)$
- $\text{\textbackslash Pfii} \Rightarrow f_2(1270)$
- $\text{\textbackslash Pfiiv} \Rightarrow f_4(2050)$
- $\text{\textbackslash Pfi} \Rightarrow f_1(1285)$
- $\text{\textbackslash Pfza} \Rightarrow f_0(1400)$
- $\text{\textbackslash Pfzb} \Rightarrow f_0(1590)$
- $\text{\textbackslash Pfz} \Rightarrow f_0(975)$
- $\text{\textbackslash PgD} \Rightarrow \Delta$
- $\text{\textbackslash PgDa} \Rightarrow \Delta(1232) P_{33}$
- $\text{\textbackslash PgDb} \Rightarrow \Delta(1620) S_{31}$
- $\text{\textbackslash PgDc} \Rightarrow \Delta(1700) D_{33}$
- $\text{\textbackslash PgDd} \Rightarrow \Delta(1900) S_{31}$
- $\text{\textbackslash PgDe} \Rightarrow \Delta(1905) F_{35}$
- $\text{\textbackslash PgDf} \Rightarrow \Delta(1910) P_{31}$
- $\text{\textbackslash PgDh} \Rightarrow \Delta(1920) P_{33}$
- $\text{\textbackslash PgDi} \Rightarrow \Delta(1930) D_{35}$
- $\text{\textbackslash PgDj} \Rightarrow \Delta(1950) F_{37}$
- $\text{\textbackslash PgDk} \Rightarrow \Delta(2420) H_{3,11}$
- $\text{\textbackslash PgL} \Rightarrow \Lambda$
- $\text{\textbackslash PagL} \Rightarrow \bar{\Lambda}$
- $\text{\textbackslash PcgLp} \Rightarrow \Lambda_c^+$
- $\text{\textbackslash Pbgl} \Rightarrow \Lambda_b$
- $\text{\textbackslash PgLa} \Rightarrow \Lambda(1405) S_{01}$
- $\text{\textbackslash PgLb} \Rightarrow \Lambda(1520) D_{03}$
- $\text{\textbackslash PgLc} \Rightarrow \Lambda(1600) P_{01}$
- $\text{\textbackslash PgLd} \Rightarrow \Lambda(1670) S_{01}$
- $\text{\textbackslash PgLe} \Rightarrow \Lambda(1690) D_{03}$
- $\text{\textbackslash PgLf} \Rightarrow \Lambda(1800) S_{01}$
- $\text{\textbackslash PgLg} \Rightarrow \Lambda(1810) P_{01}$
- $\text{\textbackslash PgLh} \Rightarrow \Lambda(1820) F_{05}$
- $\text{\textbackslash PgLi} \Rightarrow \Lambda(1830) D_{05}$
- $\text{\textbackslash PgLj} \Rightarrow \Lambda(1890) P_{03}$
- $\text{\textbackslash PgLk} \Rightarrow \Lambda(2100) G_{07}$
- $\text{\textbackslash PgLl} \Rightarrow \Lambda(2110) F_{05}$
- $\text{\textbackslash PgLm} \Rightarrow \Lambda(2350) H_{09}$
- $\text{\textbackslash PgO} \Rightarrow \Omega$
- $\text{\textbackslash PgOp} \Rightarrow \Omega^\pm$
- $\text{\textbackslash PgOmp} \Rightarrow \Omega^\mp$
- $\text{\textbackslash PgOp} \Rightarrow \Omega^+$
- $\text{\textbackslash PgOm} \Rightarrow \Omega^-$
- $\text{\textbackslash PgOma} \Rightarrow \Omega(2250)^-$

- new
- $\text{\textbackslash PgOp} \Rightarrow \bar{\Omega}^+$
- $\text{\textbackslash PgOm} \Rightarrow \bar{\Omega}^-$
- $\text{\textbackslash PgS} \Rightarrow \Sigma$
- $\text{\textbackslash PgSpm} \Rightarrow \Sigma^\pm$
- $\text{\textbackslash PgSmp} \Rightarrow \Sigma^+$
- $\text{\textbackslash PgSm} \Rightarrow \Sigma^-$
- $\text{\textbackslash PgSp} \Rightarrow \Sigma^+$
- $\text{\textbackslash PgSz} \Rightarrow \Sigma^0$
- $\text{\textbackslash PcgS} \Rightarrow \Sigma_c$
- $\text{\textbackslash PagSm} \Rightarrow \bar{\Sigma}^-$
- $\text{\textbackslash PagSp} \Rightarrow \bar{\Sigma}^+$
- $\text{\textbackslash PagSz} \Rightarrow \bar{\Sigma}^0$
- $\text{\textbackslash PacgS} \Rightarrow \bar{\Sigma}_c$
- $\text{\textbackslash PgSa} \Rightarrow \Sigma(1385) P_{13}$
- $\text{\textbackslash PgSb} \Rightarrow \Sigma(1660) P_{11}$
- $\text{\textbackslash PgSc} \Rightarrow \Sigma(1670) D_{13}$
- $\text{\textbackslash PgSd} \Rightarrow \Sigma(1750) S_{11}$
- $\text{\textbackslash PgSe} \Rightarrow \Sigma(1775) D_{15}$
- $\text{\textbackslash PgSf} \Rightarrow \Sigma(1915) F_{15}$
- $\text{\textbackslash PgSg} \Rightarrow \Sigma(1940) D_{13}$
- $\text{\textbackslash PgSh} \Rightarrow \Sigma(2030) F_{17}$
- $\text{\textbackslash PgSi} \Rightarrow \Sigma(2050)$
- $\text{\textbackslash PcgSi} \Rightarrow \Sigma_c(2455)$
- $\text{\textbackslash PgU} \Rightarrow \Upsilon$
- $\text{\textbackslash PgUi} \Rightarrow \Upsilon(1S)$
- $\text{\textbackslash PgUa} \Rightarrow \Upsilon(2S)$
- $\text{\textbackslash PgUb} \Rightarrow \Upsilon(3S)$
- $\text{\textbackslash PgUc} \Rightarrow \Upsilon(4S)$
- $\text{\textbackslash PgUd} \Rightarrow \Upsilon(10860)$
- $\text{\textbackslash PgUe} \Rightarrow \Upsilon(11020)$
- $\text{\textbackslash PgX} \Rightarrow \Xi$
- $\text{\textbackslash PgXp} \Rightarrow \Xi^+$
- $\text{\textbackslash PgXm} \Rightarrow \Xi^-$
- $\text{\textbackslash PgXz} \Rightarrow \bar{\Xi}^0$
- $\text{\textbackslash PgXa} \Rightarrow \Xi(1530) P_{13}$
- $\text{\textbackslash PgXb} \Rightarrow \Xi(1690)$
- $\text{\textbackslash PgXc} \Rightarrow \Xi(1820) D_{13}$
- $\text{\textbackslash PgXd} \Rightarrow \Xi(1950)$
- $\text{\textbackslash PgXe} \Rightarrow \Xi(2030)$
- $\text{\textbackslash PagXp} \Rightarrow \bar{\Xi}^+$
- $\text{\textbackslash PagXm} \Rightarrow \bar{\Xi}^-$
- $\text{\textbackslash PagXz} \Rightarrow \bar{\Xi}^0$
- $\text{\textbackslash PcgXp} \Rightarrow \Xi_c^+$
- $\text{\textbackslash PcgXz} \Rightarrow \Xi_c^0$
- $\text{\textbackslash PgF} \Rightarrow \phi$
- $\text{\textbackslash PgFi} \Rightarrow \phi(1020)$

- $\text{\textbackslash Pgfa} \Rightarrow \phi(1680)$
- $\text{\textbackslash Pgfi}_{\text{ii}} \Rightarrow \phi_3(1850)$
- $\text{\textbackslash Pgh} \Rightarrow \eta$
- $\text{\textbackslash Pghpr} \Rightarrow \eta'$
- $\text{\textbackslash Pcg} \Rightarrow \eta_c$
- $\text{\textbackslash Pg} \Rightarrow \eta(1295)$
- $\text{\textbackslash Pg} \Rightarrow \eta(1440)$
- $\text{\textbackslash Pg} \Rightarrow \eta'(958)$
- $\text{\textbackslash Pg} \Rightarrow \eta_c(1S)$
- $\text{\textbackslash Pg} \Rightarrow \omega$
- $\text{\textbackslash Pg} \Rightarrow \omega(783)$
- $\text{\textbackslash Pg} \Rightarrow \omega(1390)$
- $\text{\textbackslash Pg} \Rightarrow \omega(1600)$
- $\text{\textbackslash Pg} \Rightarrow \omega(3)^{1670}$
- pion
 $\text{\textbackslash Pg} \Rightarrow \pi$
- charged pion
 $\text{\textbackslash Pgppm} \Rightarrow \pi^\pm$
- charged pion
 $\text{\textbackslash Pgmp} \Rightarrow \pi^\mp$
- negative pion
 $\text{\textbackslash Pgpm} \Rightarrow \pi^-$
- positive pion
 $\text{\textbackslash Pgpp} \Rightarrow \pi^+$
- neutral pion
 $\text{\textbackslash Pg} \Rightarrow \pi^0$
- $\text{\textbackslash Pgpa} \Rightarrow \pi(1300)$
- $\text{\textbackslash Pg} \Rightarrow \pi_2(1670)$
- resonance removed
 $\text{\textbackslash Pg} \Rightarrow \rho$
- $\text{\textbackslash Pg} \Rightarrow \rho^+$
- $\text{\textbackslash Pg} \Rightarrow \rho^-$
- $\text{\textbackslash Pg} \Rightarrow \rho^\pm$
- $\text{\textbackslash Pg} \Rightarrow \rho^\mp$
- $\text{\textbackslash Pg} \Rightarrow \rho^0$
- new
 $\text{\textbackslash Pg} \Rightarrow \rho(770)$
- $\text{\textbackslash Pg} \Rightarrow \rho(1450)$
- $\text{\textbackslash Pg} \Rightarrow \rho(1700)$
- $\text{\textbackslash Pg} \Rightarrow \rho_3(1690)$
- $\text{\textbackslash Pg} \Rightarrow J/\psi$
- $\text{\textbackslash Pg} \Rightarrow J/\psi(1S)$
- $\text{\textbackslash Pg} \Rightarrow \psi$
- $\text{\textbackslash Pg} \Rightarrow \psi(2S)$
- $\text{\textbackslash Pg} \Rightarrow \psi(3770)$
- $\text{\textbackslash Pg} \Rightarrow \psi(4040)$
- $\text{\textbackslash Pg} \Rightarrow \psi(4160)$
- $\text{\textbackslash Pg} \Rightarrow \psi(4415)$
- $\text{\textbackslash Pg} \Rightarrow D$

- $\text{\textbackslash PDpm} \Rightarrow D^\pm$
- $\text{\textbackslash PDmp} \Rightarrow D^\mp$
- $\text{\textbackslash PDz} \Rightarrow D^0$
- $\text{\textbackslash PDm} \Rightarrow D^-$
- $\text{\textbackslash PDP} \Rightarrow D^+$
- $\text{\textbackslash PDst} \Rightarrow D^*$
- $\text{\textbackslash PaD} \Rightarrow \overline{D}$
- $\text{\textbackslash PaDz} \Rightarrow \overline{D}^0$
- new 2005-07-08
 $\text{\textbackslash PsD} \Rightarrow D_s$
- $\text{\textbackslash PsDm} \Rightarrow D_s^-$
- $\text{\textbackslash PsDp} \Rightarrow D_s^+$
- $\text{\textbackslash PsDpm} \Rightarrow D_s^\pm$
- $\text{\textbackslash PsDmp} \Rightarrow D_s^\mp$
- $\text{\textbackslash PsDst} \Rightarrow D_s^*$
- $\text{\textbackslash PsDipm} \Rightarrow D_{s1}(2536)^\pm$
- $\text{\textbackslash PsDimp} \Rightarrow D_{s1}(2536)^\mp$
- $\text{\textbackslash PDiz} \Rightarrow D_1(2420)^0$
- $\text{\textbackslash PDstiiz} \Rightarrow D_2^*(2460)^0$
- $\text{\textbackslash PDstpm} \Rightarrow D^*(2010)^\pm$
- $\text{\textbackslash PDstmp} \Rightarrow D^*(2010)^\mp$
- $\text{\textbackslash PDstz} \Rightarrow D^*(2010)^0$
- $\text{\textbackslash PEz} \Rightarrow E^0$
- $\text{\textbackslash PLpm} \Rightarrow L^\pm$
- $\text{\textbackslash PLmp} \Rightarrow L^\mp$
- $\text{\textbackslash PLz} \Rightarrow L^0$
- $\text{\textbackslash Paii} \Rightarrow a_2(1320)$
- $\text{\textbackslash Pai} \Rightarrow a_1(1260)$
- $\text{\textbackslash Paz} \Rightarrow a_0(980)$
- $\text{\textbackslash Pbgcia} \Rightarrow \chi_{b1}(2P)$
- $\text{\textbackslash Pbgciaa} \Rightarrow \chi_{b2}(2P)$
- $\text{\textbackslash Pbgcii} \Rightarrow \chi_{b2}(1P)$
- $\text{\textbackslash Pbgcii} \Rightarrow \chi_{b1}(1P)$
- $\text{\textbackslash Pbgcza} \Rightarrow \chi_{b0}(2P)$
- $\text{\textbackslash Pbgcz} \Rightarrow \chi_{b0}(1P)$
- $\text{\textbackslash Pbi} \Rightarrow b_1(1235)$
- $\text{\textbackslash Phia} \Rightarrow h_1(1170)$
- Higgsino
 $\text{\textbackslash PSH} \Rightarrow \tilde{H}$
- positive Higgsino
 $\text{\textbackslash PSHp} \Rightarrow \tilde{H}^+$
- negative Higgsino
 $\text{\textbackslash PSHm} \Rightarrow \tilde{H}^-$
- charged Higgsino
 $\text{\textbackslash PSHpm} \Rightarrow \tilde{H}^\pm$
- charged Higgsino
 $\text{\textbackslash PSHmp} \Rightarrow \tilde{H}^\mp$
- neutral Higgsino
 $\text{\textbackslash PSHz} \Rightarrow \tilde{H}^0$

- wino
 $\text{\textbackslash PSW} \Rightarrow \widetilde{W}$
- positive wino
 $\text{\textbackslash PSWp} \Rightarrow \widetilde{W}^+$
- negative wino
 $\text{\textbackslash PSWm} \Rightarrow \widetilde{W}^-$
- wino pm
 $\text{\textbackslash PSWpm} \Rightarrow \widetilde{W}^\pm$
- wino mp
 $\text{\textbackslash PSWmp} \Rightarrow \widetilde{W}^\mp$
- zino
 $\text{\textbackslash PSZ} \Rightarrow \widetilde{Z}$
- zino
 $\text{\textbackslash PSZz} \Rightarrow \widetilde{Z}^0$
- bino
 $\text{\textbackslash PSB} \Rightarrow \widetilde{B}$
- selectron
 $\text{\textbackslash PSe} \Rightarrow \widetilde{e}$
- photino
 $\text{\textbackslash PSgg} \Rightarrow \widetilde{\gamma}$
- smuon
 $\text{\textbackslash PSgm} \Rightarrow \widetilde{\mu}$
- sneutrino
 $\text{\textbackslash PSgn} \Rightarrow \widetilde{\nu}$
- stau
 $\text{\textbackslash PSgt} \Rightarrow \widetilde{\tau}$
- chargino/neutralino
 $\text{\textbackslash PSgx} \Rightarrow \widetilde{\chi}$
- chargino pm
 $\text{\textbackslash PSgxp} \Rightarrow \widetilde{\chi}^\pm$
- chargino mp
 $\text{\textbackslash PSgxmp} \Rightarrow \widetilde{\chi}^\mp$
- neutralino
 $\text{\textbackslash PSgxz} \Rightarrow \widetilde{\chi}^0$
- lightest neutralino
 $\text{\textbackslash PSgxzi} \Rightarrow \widetilde{\chi}_1^0$
- next-to-lightest neutralino
 $\text{\textbackslash PSgxzii} \Rightarrow \widetilde{\chi}_2^0$
- gluino
 $\text{\textbackslash PSg} \Rightarrow \widetilde{g}$
- slepton (generic)
 $\text{\textbackslash PS1} \Rightarrow \widetilde{\ell}$
- anti-slepton (generic)
 $\text{\textbackslash PaS1} \Rightarrow \overline{\widetilde{\ell}}$
- squark (generic)
 $\text{\textbackslash PSq} \Rightarrow \widetilde{q}$
- anti-squark (generic)
 $\text{\textbackslash PaSq} \Rightarrow \overline{\widetilde{q}}$
- down squark
 $\text{\textbackslash PSqd} \Rightarrow \widetilde{d}$
- up squark
 $\text{\textbackslash PSqu} \Rightarrow \widetilde{u}$
- strange squark
 $\text{\textbackslash PSqs} \Rightarrow \widetilde{s}$
- charm squark
 $\text{\textbackslash PSqc} \Rightarrow \widetilde{c}$

- bottom squark (sbottom)
 $\text{\textbackslash PSqb} \Rightarrow \tilde{b}$
- top squark (stop)
 $\text{\textbackslash PSqt} \Rightarrow \tilde{t}$
- anti-down squark
 $\text{\textbackslash PaSqd} \Rightarrow \tilde{\bar{d}}$
- anti-up squark
 $\text{\textbackslash PaSqu} \Rightarrow \tilde{\bar{u}}$
- anti-strange squark
 $\text{\textbackslash PaSqs} \Rightarrow \tilde{\bar{s}}$
- anti-charm squark
 $\text{\textbackslash PaSqc} \Rightarrow \tilde{\bar{c}}$
- anti-bottom squark
 $\text{\textbackslash PaSqb} \Rightarrow \tilde{\bar{b}}$
- anti-top squark (stop)
 $\text{\textbackslash PaSqt} \Rightarrow \tilde{\bar{t}}$

2 Bold font

- `\hepnames` \Rightarrow hepnames
- `\heppennames` \Rightarrow heppennames
- `\PB` \Rightarrow B
- `\PBpm` \Rightarrow B^\pm
- `\PBmp` \Rightarrow B^\mp
- `\PBp` \Rightarrow B^+
- `\PBm` \Rightarrow B^-
- `\PBz` \Rightarrow B^0
- `\PdB` \Rightarrow B_d^0
- `\PuB` \Rightarrow B^+
- `\PcB` \Rightarrow B_c^+
- `\PsB` \Rightarrow B_s^0
- `\PaB` \Rightarrow \bar{B}
- `\PaBz` \Rightarrow \bar{B}^0
- `\PadB` \Rightarrow \bar{B}_d^0
- `\PauB` \Rightarrow B^-
- `\PacB` \Rightarrow B_c^-
- `\PasB` \Rightarrow \bar{B}_s^0
- kaon
`\PK` \Rightarrow K
- charged kaon
`\PKpm` \Rightarrow K^\pm
- charged kaon
`\PKmp` \Rightarrow K^\mp
- negative kaon
`\PKm` \Rightarrow K^-
- positive kaon
`\PKp` \Rightarrow K^+
- neutral kaon
`\PKz` \Rightarrow K^0
- K-long
`\PKzL` \Rightarrow K_L^0
- K-short
`\PKzS` \Rightarrow K_S^0
- K star
`\PKst` \Rightarrow K^*
- anti-kaon
`\PaK` \Rightarrow \bar{K}
- neutral anti-kaon
`\PaKz` \Rightarrow \bar{K}^0
- `\PKeiii` \Rightarrow K_{e3}
- `\PKgmiisi` \Rightarrow $K_{\mu 3}$
- `\PKzeiii` \Rightarrow K_{e3}^0
- `\PKzgmiisi` \Rightarrow $K_{\mu 3}^0$

- $\text{\textbackslash PKia} \Rightarrow K_1(1400)$
- $\text{\textbackslash PKii} \Rightarrow K_2(1770)$
- $\text{\textbackslash PKi} \Rightarrow K_1(1270)$
- $\text{\textbackslash PKsti} \Rightarrow K^*(892)$
- $\text{\textbackslash PKsta} \Rightarrow K^*(1370)$
- $\text{\textbackslash PKstb} \Rightarrow K^*(1680)$
- $\text{\textbackslash PKstiii} \Rightarrow K_3^*(1780)$
- $\text{\textbackslash PKstii} \Rightarrow K_2^*(1430)$
- $\text{\textbackslash PKstiv} \Rightarrow K_4^*(2045)$
- $\text{\textbackslash PKstz} \Rightarrow K_0^*(1430)$
- $\text{\textbackslash PN} \Rightarrow N$
- $\text{\textbackslash PNa} \Rightarrow N(1440) P_{11}$
- $\text{\textbackslash PNb} \Rightarrow N(1520) D_{13}$
- $\text{\textbackslash PNc} \Rightarrow N(1535) S_{11}$
- $\text{\textbackslash PNd} \Rightarrow N(1650) S_{11}$
- $\text{\textbackslash PNe} \Rightarrow N(1675) D_{15}$
- $\text{\textbackslash PNf} \Rightarrow N(1680) F_{15}$
- $\text{\textbackslash PNG} \Rightarrow N(1700) D_{13}$
- $\text{\textbackslash PNh} \Rightarrow N(1710) P_{11}$
- $\text{\textbackslash PNi} \Rightarrow N(1720) P_{13}$
- $\text{\textbackslash PNj} \Rightarrow N(2190) G_{17}$
- $\text{\textbackslash PNk} \Rightarrow N(2220) H_{19}$
- $\text{\textbackslash PNl} \Rightarrow N(2250) G_{19}$
- $\text{\textbackslash PNm} \Rightarrow N(2600) I_{1,11}$
- gluon
 $\text{\textbackslash Pg} \Rightarrow g$
- photon
 $\text{\textbackslash Pgg} \Rightarrow \gamma$
- W boson
 $\text{\textbackslash PW} \Rightarrow W$
- charged W boson
 $\text{\textbackslash PWpm} \Rightarrow W^\pm$
- charged W boson
 $\text{\textbackslash PWmp} \Rightarrow W^\mp$
- W-plus
 $\text{\textbackslash PWp} \Rightarrow W^+$
- W-minus
 $\text{\textbackslash PWm} \Rightarrow W^-$
- $\text{\textbackslash PWR} \Rightarrow W_R$
- W-prime boson
 $\text{\textbackslash PWpr} \Rightarrow W'$
- Z boson
 $\text{\textbackslash PZ} \Rightarrow Z$
- neutral Z boson
 $\text{\textbackslash PZz} \Rightarrow Z^0$
- Z-prime boson
 $\text{\textbackslash PZpr} \Rightarrow Z'$
- left-right Z boson
 $\text{\textbackslash PZLR} \Rightarrow Z_{LR}$
- $\text{\textbackslash PZgc} \Rightarrow Z_\chi$
- $\text{\textbackslash PZge} \Rightarrow Z_\eta$

- $\text{\textbackslash PZgy} \Rightarrow Z_\psi$
- $\text{\textbackslash PZi} \Rightarrow Z_1$
- axion
 $\text{\textbackslash PAz} \Rightarrow A^0$
- standard/heavy Higgs
 $\text{\textbackslash PH} \Rightarrow H$
- explicitly neutral standard/heavy Higgs
 $\text{\textbackslash PHz} \Rightarrow H^0$
- light Higgs
 $\text{\textbackslash Ph} \Rightarrow h$
- explicitly neutral light Higgs
 $\text{\textbackslash Phz} \Rightarrow h^0$
- pseudoscalar Higgs
 $\text{\textbackslash PA} \Rightarrow A$
- explicitly neutral pseudoscalar Higgs
 $\text{\textbackslash PAz} \Rightarrow A^0$
- charged Higgs
 $\text{\textbackslash PHpm} \Rightarrow H^\pm$
- charged Higgs
 $\text{\textbackslash PHmp} \Rightarrow H^\mp$
- positive-charged Higgs
 $\text{\textbackslash PHp} \Rightarrow H^+$
- negative-charged Higgs
 $\text{\textbackslash PHm} \Rightarrow H^-$
- lepton
 $\text{\textbackslash Pl} \Rightarrow \ell$
- charged lepton
 $\text{\textbackslash Plpm} \Rightarrow \ell^\pm$
- charged lepton
 $\text{\textbackslash Plmp} \Rightarrow \ell^\mp$
- positive lepton
 $\text{\textbackslash Plp} \Rightarrow \ell^+$
- negative lepton
 $\text{\textbackslash Plm} \Rightarrow \ell^-$
- anti-lepton
 $\text{\textbackslash Pal} \Rightarrow \bar{\ell}$
- generic neutrino
 $\text{\textbackslash Pgn} \Rightarrow \nu$
- neutrino (for lepton ell)
 $\text{\textbackslash Pgnl} \Rightarrow \nu_\ell$
- generic anti-neutrino
 $\text{\textbackslash Pagn} \Rightarrow \bar{\nu}$
- anti-neutrino (for lepton ell)
 $\text{\textbackslash Pagnl} \Rightarrow \bar{\nu}_\ell$
- electronic
 $\text{\textbackslash Pe} \Rightarrow e$
- e plus/minus
 $\text{\textbackslash Pepm} \Rightarrow e^\pm$
- e minus/plus
 $\text{\textbackslash Pemp} \Rightarrow e^\mp$
- electron
 $\text{\textbackslash Pem} \Rightarrow e^-$
- positron
 $\text{\textbackslash Pep} \Rightarrow e^+$

- muonic
 $\text{\textbackslash Pg}\text{m} \Rightarrow \mu$
- mu plus/minus
 $\text{\textbackslash Pg}\text{mpm} \Rightarrow \mu^\pm$
- mu minus/plus
 $\text{\textbackslash Pg}\text{mmp} \Rightarrow \mu^\mp$
- muon
 $\text{\textbackslash Pg}\text{mm} \Rightarrow \mu^-$
- anti-muon
 $\text{\textbackslash Pg}\text{mp} \Rightarrow \mu^+$
- tauonic
 $\text{\textbackslash Pg}\text{t} \Rightarrow \tau$
- tau plus/minus
 $\text{\textbackslash Pg}\text{tpm} \Rightarrow \tau^\pm$
- tau minus/plus
 $\text{\textbackslash Pg}\text{tmp} \Rightarrow \tau^\mp$
- tau lepton
 $\text{\textbackslash Pg}\text{tm} \Rightarrow \tau^-$
- anti-tau
 $\text{\textbackslash Pg}\text{tp} \Rightarrow \tau^+$
- electron neutrino
 $\text{\textbackslash Pg}\text{ne} \Rightarrow \nu_e$
- muon neutrino
 $\text{\textbackslash Pg}\text{n}\bar{g}\text{m} \Rightarrow \nu_\mu$
- tau neutrino
 $\text{\textbackslash Pg}\text{n}\bar{g}\text{t} \Rightarrow \nu_\tau$
- electron anti-neutrino
 $\text{\textbackslash Pg}\text{n}\bar{e} \Rightarrow \bar{\nu}_e$
- muon anti-neutrino
 $\text{\textbackslash Pg}\text{n}\bar{g}\text{m} \Rightarrow \bar{\nu}_\mu$
- tau anti-neutrino
 $\text{\textbackslash Pg}\text{n}\bar{g}\text{t} \Rightarrow \bar{\nu}_\tau$
- quark
 $\text{\textbackslash Pg}\text{q} \Rightarrow q$
- anti-quark
 $\text{\textbackslash Pg}\text{q} \Rightarrow \bar{q}$
- down quark
 $\text{\textbackslash Pg}\text{qd} \Rightarrow d$
- up quark
 $\text{\textbackslash Pg}\text{qu} \Rightarrow u$
- strange quark
 $\text{\textbackslash Pg}\text{qs} \Rightarrow s$
- charm quark
 $\text{\textbackslash Pg}\text{qc} \Rightarrow c$
- bottom quark
 $\text{\textbackslash Pg}\text{qb} \Rightarrow b$
- top quark
 $\text{\textbackslash Pg}\text{qt} \Rightarrow t$
- down anti-quark
 $\text{\textbackslash Pg}\text{qd} \Rightarrow \bar{d}$
- up anti-quark
 $\text{\textbackslash Pg}\text{qu} \Rightarrow \bar{u}$
- strange anti-quark
 $\text{\textbackslash Pg}\text{qs} \Rightarrow \bar{s}$
- charm anti-quark
 $\text{\textbackslash Pg}\text{qc} \Rightarrow \bar{c}$

- bottom anti-quark
 $\backslash \text{Paqb} \Rightarrow \bar{b}$
- top anti-quark
 $\backslash \text{Paqt} \Rightarrow \bar{t}$
- $\backslash \text{Pqb} \Rightarrow b$
- $\backslash \text{Pqc} \Rightarrow c$
- $\backslash \text{Pqd} \Rightarrow d$
- $\backslash \text{Pqs} \Rightarrow s$
- $\backslash \text{Pqt} \Rightarrow t$
- $\backslash \text{Pqu} \Rightarrow u$
- $\backslash \text{Pq} \Rightarrow q$
- anti-bottom quark
 $\backslash \text{Paqb} \Rightarrow \bar{b}$
- anti-charm quark
 $\backslash \text{Paqc} \Rightarrow \bar{c}$
- anti-down quark
 $\backslash \text{Paqd} \Rightarrow \bar{d}$
- anti-strange quark
 $\backslash \text{Paqs} \Rightarrow \bar{s}$
- anti-top quark
 $\backslash \text{Paqt} \Rightarrow \bar{t}$
- anti-up quark
 $\backslash \text{Paqu} \Rightarrow \bar{u}$
- anti-quark
 $\backslash \text{Paq} \Rightarrow \bar{q}$
- proton
 $\backslash \text{Pp} \Rightarrow p$
- neutron
 $\backslash \text{Pn} \Rightarrow n$
- anti-proton
 $\backslash \text{Pap} \Rightarrow \bar{p}$
- anti-neutron
 $\backslash \text{Pan} \Rightarrow \bar{n}$
- $\backslash \text{Pcgc} \Rightarrow \chi_c$
- $\backslash \text{Pcgci} \Rightarrow \chi_{c2}(1P)$
- $\backslash \text{Pcgci} \Rightarrow \chi_{c1}(1P)$
- $\backslash \text{Pcgcz} \Rightarrow \chi_{c0}(1P)$
- $\backslash \text{Pfia} \Rightarrow f_1(1390)$
- $\backslash \text{Pfib} \Rightarrow f_1(1510)$
- $\backslash \text{Pfiia} \Rightarrow f_2(1720)$
- $\backslash \text{Pfiib} \Rightarrow f_2(2010)$
- $\backslash \text{Pfiic} \Rightarrow f_2(2300)$
- $\backslash \text{Pfiid} \Rightarrow f_2(2340)$
- $\backslash \text{Pfiipr} \Rightarrow f'_2(1525)$
- $\backslash \text{Pfii} \Rightarrow f_2(1270)$
- $\backslash \text{Pfiv} \Rightarrow f_4(2050)$
- $\backslash \text{Pfi} \Rightarrow f_1(1285)$
- $\backslash \text{Pfza} \Rightarrow f_0(1400)$
- $\backslash \text{Pfzb} \Rightarrow f_0(1590)$

- $\backslash \text{Pfz} \Rightarrow f_0(975)$
- $\backslash \text{PgD} \Rightarrow \Delta$
- $\backslash \text{PgDa} \Rightarrow \Delta(1232) P_{33}$
- $\backslash \text{PgDb} \Rightarrow \Delta(1620) S_{31}$
- $\backslash \text{PgDc} \Rightarrow \Delta(1700) D_{33}$
- $\backslash \text{PgDd} \Rightarrow \Delta(1900) S_{31}$
- $\backslash \text{PgDe} \Rightarrow \Delta(1905) F_{35}$
- $\backslash \text{PgDf} \Rightarrow \Delta(1910) P_{31}$
- $\backslash \text{PgDh} \Rightarrow \Delta(1920) P_{33}$
- $\backslash \text{PgDi} \Rightarrow \Delta(1930) D_{35}$
- $\backslash \text{PgDj} \Rightarrow \Delta(1950) F_{37}$
- $\backslash \text{PgDk} \Rightarrow \Delta(2420) H_{3,11}$
- $\backslash \text{PgL} \Rightarrow \Lambda$
- $\backslash \text{PagL} \Rightarrow \bar{\Lambda}$
- $\backslash \text{PcgLp} \Rightarrow \Lambda_c^+$
- $\backslash \text{PbgL} \Rightarrow \Lambda_b$
- $\backslash \text{PgLa} \Rightarrow \Lambda(1405) S_{01}$
- $\backslash \text{PgLb} \Rightarrow \Lambda(1520) D_{03}$
- $\backslash \text{PgLc} \Rightarrow \Lambda(1600) P_{01}$
- $\backslash \text{PgLd} \Rightarrow \Lambda(1670) S_{01}$
- $\backslash \text{PgLe} \Rightarrow \Lambda(1690) D_{03}$
- $\backslash \text{PgLf} \Rightarrow \Lambda(1800) S_{01}$
- $\backslash \text{PgLg} \Rightarrow \Lambda(1810) P_{01}$
- $\backslash \text{PgLh} \Rightarrow \Lambda(1820) F_{05}$
- $\backslash \text{PgLi} \Rightarrow \Lambda(1830) D_{05}$
- $\backslash \text{PgLj} \Rightarrow \Lambda(1890) P_{03}$
- $\backslash \text{PgLk} \Rightarrow \Lambda(2100) G_{07}$
- $\backslash \text{PgLl} \Rightarrow \Lambda(2110) F_{05}$
- $\backslash \text{PgLm} \Rightarrow \Lambda(2350) H_{09}$
- $\backslash \text{PgO} \Rightarrow \Omega$
- $\backslash \text{PgOpm} \Rightarrow \Omega^\pm$
- $\backslash \text{PgOmp} \Rightarrow \Omega^\mp$
- $\backslash \text{PgOp} \Rightarrow \Omega^+$
- $\backslash \text{PgOm} \Rightarrow \Omega^-$
- $\backslash \text{PgOma} \Rightarrow \Omega(2250)^-$
- new
- $\backslash \text{PagOp} \Rightarrow \bar{\Omega}^+$
- $\backslash \text{PagOm} \Rightarrow \bar{\Omega}^-$
- $\backslash \text{PgS} \Rightarrow \Sigma$
- $\backslash \text{PgSpm} \Rightarrow \Sigma^\pm$
- $\backslash \text{PgSmp} \Rightarrow \Sigma^\mp$
- $\backslash \text{PgSm} \Rightarrow \Sigma^-$
- $\backslash \text{PgSp} \Rightarrow \Sigma^+$
- $\backslash \text{PgSz} \Rightarrow \Sigma^0$
- $\backslash \text{PcgS} \Rightarrow \Sigma_c$
- $\backslash \text{PagSm} \Rightarrow \bar{\Sigma}^-$
- $\backslash \text{PagSp} \Rightarrow \bar{\Sigma}^+$

- $\text{\textcolor{red}{PgSz}} \Rightarrow \bar{\Sigma}^0$
- $\text{\textcolor{red}{PacgS}} \Rightarrow \bar{\Sigma}_c$
- $\text{\textcolor{red}{PgSa}} \Rightarrow \Sigma(1385) P_{13}$
- $\text{\textcolor{red}{PgSb}} \Rightarrow \Sigma(1660) P_{11}$
- $\text{\textcolor{red}{PgSc}} \Rightarrow \Sigma(1670) D_{13}$
- $\text{\textcolor{red}{PgSd}} \Rightarrow \Sigma(1750) S_{11}$
- $\text{\textcolor{red}{PgSe}} \Rightarrow \Sigma(1775) D_{15}$
- $\text{\textcolor{red}{PgSf}} \Rightarrow \Sigma(1915) F_{15}$
- $\text{\textcolor{red}{PgSg}} \Rightarrow \Sigma(1940) D_{13}$
- $\text{\textcolor{red}{PgSh}} \Rightarrow \Sigma(2030) F_{17}$
- $\text{\textcolor{red}{PgSi}} \Rightarrow \Sigma(2050)$
- $\text{\textcolor{red}{PcgSi}} \Rightarrow \Sigma_c(2455)$
- $\text{\textcolor{red}{PgU}} \Rightarrow \Upsilon$
- $\text{\textcolor{red}{PgUi}} \Rightarrow \Upsilon(1S)$
- $\text{\textcolor{red}{PgUa}} \Rightarrow \Upsilon(2S)$
- $\text{\textcolor{red}{PgUb}} \Rightarrow \Upsilon(3S)$
- $\text{\textcolor{red}{PgUc}} \Rightarrow \Upsilon(4S)$
- $\text{\textcolor{red}{PgUd}} \Rightarrow \Upsilon(10860)$
- $\text{\textcolor{red}{PgUe}} \Rightarrow \Upsilon(11020)$
- $\text{\textcolor{red}{PgX}} \Rightarrow \Xi$
- $\text{\textcolor{red}{PgXp}} \Rightarrow \Xi^+$
- $\text{\textcolor{red}{PgXm}} \Rightarrow \Xi^-$
- $\text{\textcolor{red}{PgXz}} \Rightarrow \bar{\Xi}^0$
- $\text{\textcolor{red}{PgXa}} \Rightarrow \Xi(1530) P_{13}$
- $\text{\textcolor{red}{PgXb}} \Rightarrow \Xi(1690)$
- $\text{\textcolor{red}{PgXc}} \Rightarrow \Xi(1820) D_{13}$
- $\text{\textcolor{red}{PgXd}} \Rightarrow \Xi(1950)$
- $\text{\textcolor{red}{PgXe}} \Rightarrow \Xi(2030)$
- $\text{\textcolor{red}{PagXp}} \Rightarrow \bar{\Xi}^+$
- $\text{\textcolor{red}{PagXm}} \Rightarrow \bar{\Xi}^-$
- $\text{\textcolor{red}{PagXz}} \Rightarrow \bar{\Xi}^0$
- $\text{\textcolor{red}{PcgXp}} \Rightarrow \Xi_c^+$
- $\text{\textcolor{red}{PcgXz}} \Rightarrow \Xi_c^0$
- $\text{\textcolor{red}{Pgf}} \Rightarrow \phi$
- $\text{\textcolor{red}{Pgfi}} \Rightarrow \phi(1020)$
- $\text{\textcolor{red}{Pgfa}} \Rightarrow \phi(1680)$
- $\text{\textcolor{red}{Pgfi}}$ $\Rightarrow \phi_3(1850)$
- $\text{\textcolor{red}{Pgh}} \Rightarrow \eta$
- $\text{\textcolor{red}{Pghpr}} \Rightarrow \eta'$
- $\text{\textcolor{red}{Pcgh}} \Rightarrow \eta_c$
- $\text{\textcolor{red}{Pgha}} \Rightarrow \eta(1295)$
- $\text{\textcolor{red}{Pghb}} \Rightarrow \eta(1440)$
- $\text{\textcolor{red}{Pghpri}} \Rightarrow \eta'(958)$
- $\text{\textcolor{red}{Pcghi}} \Rightarrow \eta_c(1S)$
- $\text{\textcolor{red}{Pgo}} \Rightarrow \omega$
- $\text{\textcolor{red}{Pgoi}} \Rightarrow \omega(783)$
- $\text{\textcolor{red}{Pgoa}} \Rightarrow \omega(1390)$

- $\text{\textbackslash Pgob} \Rightarrow \omega(1600)$
- $\text{\textbackslash Pgoiii} \Rightarrow \omega(3)^{1670}$
- pion
 $\text{\textbackslash Pgp} \Rightarrow \pi$
- charged pion
 $\text{\textbackslash Pgppm} \Rightarrow \pi^\pm$
- charged pion
 $\text{\textbackslash Pgmp} \Rightarrow \pi^\mp$
- negative pion
 $\text{\textbackslash Pgpm} \Rightarrow \pi^-$
- positive pion
 $\text{\textbackslash Pgpp} \Rightarrow \pi^+$
- neutral pion
 $\text{\textbackslash Pgpz} \Rightarrow \pi^0$
- $\text{\textbackslash Pgpa} \Rightarrow \pi(1300)$
- $\text{\textbackslash Pgpii} \Rightarrow \pi_2(1670)$
- resonance removed
 $\text{\textbackslash Pgr} \Rightarrow \rho$
- $\text{\textbackslash Pgrp} \Rightarrow \rho^+$
- $\text{\textbackslash Pgrm} \Rightarrow \rho^-$
- $\text{\textbackslash Pgrpm} \Rightarrow \rho^\pm$
- $\text{\textbackslash Pgrmp} \Rightarrow \rho^\mp$
- $\text{\textbackslash Pgrz} \Rightarrow \rho^0$
- new
 $\text{\textbackslash Pgri} \Rightarrow \rho(770)$
- $\text{\textbackslash Pgра} \Rightarrow \rho(1450)$
- $\text{\textbackslash Pgrb} \Rightarrow \rho(1700)$
- $\text{\textbackslash Pgriii} \Rightarrow \rho_3(1690)$
- $\text{\textbackslash PJgy} \Rightarrow J/\psi$
- $\text{\textbackslash PJgyi} \Rightarrow J/\psi(1S)$
- $\text{\textbackslash Pgy} \Rightarrow \psi$
- $\text{\textbackslash Pgyii} \Rightarrow \psi(2S)$
- $\text{\textbackslash Pgya} \Rightarrow \psi(3770)$
- $\text{\textbackslash Pgyb} \Rightarrow \psi(4040)$
- $\text{\textbackslash Pgyc} \Rightarrow \psi(4160)$
- $\text{\textbackslash Pgyd} \Rightarrow \psi(4415)$
- $\text{\textbackslash PD} \Rightarrow D$
- $\text{\textbackslash PDpm} \Rightarrow D^\pm$
- $\text{\textbackslash PDmp} \Rightarrow D^\mp$
- $\text{\textbackslash PDz} \Rightarrow D^0$
- $\text{\textbackslash PDm} \Rightarrow D^-$
- $\text{\textbackslash PDp} \Rightarrow D^+$
- $\text{\textbackslash PDst} \Rightarrow D^*$
- $\text{\textbackslash PaD} \Rightarrow \overline{D}$
- $\text{\textbackslash PaDz} \Rightarrow \overline{D}^0$
- new 2005-07-08
 $\text{\textbackslash PsD} \Rightarrow D_s$
- $\text{\textbackslash PsDm} \Rightarrow D_s^-$

- $\text{\textbackslash PsDp} \Rightarrow D_s^+$
- $\text{\textbackslash PsDpm} \Rightarrow D_s^\pm$
- $\text{\textbackslash PsDmp} \Rightarrow D_s^\mp$
- $\text{\textbackslash PsDst} \Rightarrow D_s^*$
- $\text{\textbackslash PsDipm} \Rightarrow D_{s1}(2536)^\pm$
- $\text{\textbackslash PsDimp} \Rightarrow D_{s1}(2536)^\mp$
- $\text{\textbackslash PDiz} \Rightarrow D_1(2420)^0$
- $\text{\textbackslash PDstiiz} \Rightarrow D_2^*(2460)^0$
- $\text{\textbackslash PDstpm} \Rightarrow D^*(2010)^\pm$
- $\text{\textbackslash PDstmp} \Rightarrow D^*(2010)^\mp$
- $\text{\textbackslash PDstz} \Rightarrow D^*(2010)^0$
- $\text{\textbackslash PEz} \Rightarrow E^0$
- $\text{\textbackslash PLpm} \Rightarrow L^\pm$
- $\text{\textbackslash PLmp} \Rightarrow L^\mp$
- $\text{\textbackslash PLz} \Rightarrow L^0$
- $\text{\textbackslash Paii} \Rightarrow a_2(1320)$
- $\text{\textbackslash Pai} \Rightarrow a_1(1260)$
- $\text{\textbackslash Paz} \Rightarrow a_0(980)$
- $\text{\textbackslash Pbgcia} \Rightarrow \chi_{b1}(2P)$
- $\text{\textbackslash Pbgiia} \Rightarrow \chi_{b2}(2P)$
- $\text{\textbackslash Pbgcii} \Rightarrow \chi_{b2}(1P)$
- $\text{\textbackslash Pbgi} \Rightarrow \chi_{b1}(1P)$
- $\text{\textbackslash Pbgcza} \Rightarrow \chi_{b0}(2P)$
- $\text{\textbackslash Pbgcz} \Rightarrow \chi_{b0}(1P)$
- $\text{\textbackslash Pbi} \Rightarrow b_1(1235)$
- $\text{\textbackslash Phia} \Rightarrow h_1(1170)$
- Higgsino
 $\text{\textbackslash PSH} \Rightarrow \tilde{H}$
- positive Higgsino
 $\text{\textbackslash PSHp} \Rightarrow \tilde{H}^+$
- negative Higgsino
 $\text{\textbackslash PSHm} \Rightarrow \tilde{H}^-$
- charged Higgsino
 $\text{\textbackslash PSHpm} \Rightarrow \tilde{H}^\pm$
- charged Higgsino
 $\text{\textbackslash PSHmp} \Rightarrow \tilde{H}^\mp$
- neutral Higgsino
 $\text{\textbackslash PSHz} \Rightarrow \tilde{H}^0$
- wino
 $\text{\textbackslash PSW} \Rightarrow \tilde{W}$
- positive wino
 $\text{\textbackslash PSWp} \Rightarrow \tilde{W}^+$
- negative wino
 $\text{\textbackslash PSWm} \Rightarrow \tilde{W}^-$
- wino pm
 $\text{\textbackslash PSWpm} \Rightarrow \tilde{W}^\pm$
- wino mp
 $\text{\textbackslash PSWmp} \Rightarrow \tilde{W}^\mp$
- zino
 $\text{\textbackslash PSZ} \Rightarrow \tilde{Z}$

- zino
 $\text{\textbackslash PSZz} \Rightarrow \tilde{Z}^0$
- bino
 $\text{\textbackslash PSB} \Rightarrow \tilde{B}$
- selectron
 $\text{\textbackslash PSe} \Rightarrow \tilde{e}$
- photino
 $\text{\textbackslash PSgg} \Rightarrow \tilde{\gamma}$
- smuon
 $\text{\textbackslash PSgm} \Rightarrow \tilde{\mu}$
- sneutrino
 $\text{\textbackslash PSgn} \Rightarrow \tilde{\nu}$
- stau
 $\text{\textbackslash PSgt} \Rightarrow \tilde{\tau}$
- chargino/neutralino
 $\text{\textbackslash PSgx} \Rightarrow \tilde{\chi}$
- chargino pm
 $\text{\textbackslash PSgxp\pm} \Rightarrow \tilde{\chi}^\pm$
- chargino mp
 $\text{\textbackslash PSgxmp} \Rightarrow \tilde{\chi}^\mp$
- neutralino
 $\text{\textbackslash PSgxz} \Rightarrow \tilde{\chi}^0$
- lightest neutralino
 $\text{\textbackslash PSgxzi} \Rightarrow \tilde{\chi}_1^0$
- next-to-lightest neutralino
 $\text{\textbackslash PSgxzii} \Rightarrow \tilde{\chi}_2^0$
- gluino
 $\text{\textbackslash PSg} \Rightarrow \tilde{g}$
- slepton (generic)
 $\text{\textbackslash PSl} \Rightarrow \tilde{\ell}$
- anti-slepton (generic)
 $\text{\textbackslash PaSl} \Rightarrow \bar{\tilde{\ell}}$
- squark (generic)
 $\text{\textbackslash PSq} \Rightarrow \tilde{q}$
- anti-squark (generic)
 $\text{\textbackslash PaSq} \Rightarrow \bar{\tilde{q}}$
- down squark
 $\text{\textbackslash PSqd} \Rightarrow \tilde{d}$
- up squark
 $\text{\textbackslash PSqu} \Rightarrow \tilde{u}$
- strange squark
 $\text{\textbackslash PSqs} \Rightarrow \tilde{s}$
- charm squark
 $\text{\textbackslash PSqc} \Rightarrow \tilde{c}$
- bottom squark (sbottom)
 $\text{\textbackslash PSqb} \Rightarrow \tilde{b}$
- top squark (stop)
 $\text{\textbackslash PSqt} \Rightarrow \tilde{t}$
- anti-down squark
 $\text{\textbackslash PaSqd} \Rightarrow \bar{\tilde{d}}$
- anti-up squark
 $\text{\textbackslash PaSqu} \Rightarrow \bar{\tilde{u}}$
- anti-strange squark
 $\text{\textbackslash PaSqs} \Rightarrow \bar{\tilde{s}}$
- anti-charm squark
 $\text{\textbackslash PaSqc} \Rightarrow \bar{\tilde{c}}$

- anti-bottom squark
 $\text{\textbackslash PaSq}\text{b} \Rightarrow \bar{\tilde{b}}$

- anti-top squark (stop)
 $\text{\textbackslash PaSqt} \Rightarrow \bar{\tilde{t}}$

3 Italic font

- $\backslash \text{hepnames} \Rightarrow \text{hepnames}$
- $\backslash \text{heppennames} \Rightarrow \text{heppennames}$
- $\backslash \text{PB} \Rightarrow B$
- $\backslash \text{PBpm} \Rightarrow B^\pm$
- $\backslash \text{PBmp} \Rightarrow B^\mp$
- $\backslash \text{PBp} \Rightarrow B^+$
- $\backslash \text{PBm} \Rightarrow B^-$
- $\backslash \text{PBz} \Rightarrow B^0$
- $\backslash \text{PdB} \Rightarrow B_d^0$
- $\backslash \text{PuB} \Rightarrow B^+$
- $\backslash \text{PcB} \Rightarrow B_c^+$
- $\backslash \text{PsB} \Rightarrow B_s^0$
- $\backslash \text{PaB} \Rightarrow \overline{B}$
- $\backslash \text{PaBz} \Rightarrow \overline{B}^0$
- $\backslash \text{PadB} \Rightarrow \overline{B}_d^0$
- $\backslash \text{PauB} \Rightarrow B^-$
- $\backslash \text{PacB} \Rightarrow B_c^-$
- $\backslash \text{PasB} \Rightarrow \overline{B}_s^0$
- *kaon*
 $\backslash \text{PK} \Rightarrow K$
- *charged kaon*
 $\backslash \text{PKpm} \Rightarrow K^\pm$
- *charged kaon*
 $\backslash \text{PKmp} \Rightarrow K^\mp$
- *negative kaon*
 $\backslash \text{PKm} \Rightarrow K^-$
- *positive kaon*
 $\backslash \text{PKp} \Rightarrow K^+$
- *neutral kaon*
 $\backslash \text{PKz} \Rightarrow K^0$
- *K-long*
 $\backslash \text{PKzL} \Rightarrow K_L^0$
- *K-short*
 $\backslash \text{PKzS} \Rightarrow K_S^0$
- *K star*
 $\backslash \text{PKst} \Rightarrow K^*$
- *anti-kaon*
 $\backslash \text{PaK} \Rightarrow \overline{K}$
- *neutral anti-kaon*
 $\backslash \text{PaKz} \Rightarrow \overline{K}^0$
- $\backslash \text{PKeiii} \Rightarrow K_{e3}$
- $\backslash \text{PKgmiisi} \Rightarrow K_{\mu 3}$
- $\backslash \text{PKzeiisi} \Rightarrow K_{e3}^0$
- $\backslash \text{PKzgmiisi} \Rightarrow K_{\mu 3}^0$

- $\text{\textcolor{red}{PKia}} \Rightarrow K_1(1400)$
- $\text{\textcolor{red}{PKii}} \Rightarrow K_2(1770)$
- $\text{\textcolor{red}{PKi}} \Rightarrow K_1(1270)$
- $\text{\textcolor{red}{PKsti}} \Rightarrow K^*(892)$
- $\text{\textcolor{red}{PKsta}} \Rightarrow K^*(1370)$
- $\text{\textcolor{red}{PKstb}} \Rightarrow K^*(1680)$
- $\text{\textcolor{red}{PKstiii}} \Rightarrow K_3^*(1780)$
- $\text{\textcolor{red}{PKstii}} \Rightarrow K_2^*(1430)$
- $\text{\textcolor{red}{PKstiv}} \Rightarrow K_4^*(2045)$
- $\text{\textcolor{red}{PKstz}} \Rightarrow K_0^*(1430)$
- $\text{\textcolor{red}{PN}} \Rightarrow N$
- $\text{\textcolor{red}{PNa}} \Rightarrow N(1440) P_{11}$
- $\text{\textcolor{red}{PNb}} \Rightarrow N(1520) D_{13}$
- $\text{\textcolor{red}{PNc}} \Rightarrow N(1535) S_{11}$
- $\text{\textcolor{red}{PNd}} \Rightarrow N(1650) S_{11}$
- $\text{\textcolor{red}{PNe}} \Rightarrow N(1675) D_{15}$
- $\text{\textcolor{red}{PNf}} \Rightarrow N(1680) F_{15}$
- $\text{\textcolor{red}{PNg}} \Rightarrow N(1700) D_{13}$
- $\text{\textcolor{red}{PNh}} \Rightarrow N(1710) P_{11}$
- $\text{\textcolor{red}{PNi}} \Rightarrow N(1720) P_{13}$
- $\text{\textcolor{red}{PNj}} \Rightarrow N(2190) G_{17}$
- $\text{\textcolor{red}{PNk}} \Rightarrow N(2220) H_{19}$
- $\text{\textcolor{red}{PNl}} \Rightarrow N(2250) G_{19}$
- $\text{\textcolor{red}{PNm}} \Rightarrow N(2600) I_{1,11}$
- $gluon$
 $\text{\textcolor{red}{Pg}} \Rightarrow g$
- $photon$
 $\text{\textcolor{red}{Pgg}} \Rightarrow \gamma$
- $W boson$
 $\text{\textcolor{red}{PW}} \Rightarrow W$
- $charged W boson$
 $\text{\textcolor{red}{PWpm}} \Rightarrow W^\pm$
- $charged W boson$
 $\text{\textcolor{red}{PWmp}} \Rightarrow W^\mp$
- $W\text{-}plus$
 $\text{\textcolor{red}{PWp}} \Rightarrow W^+$
- $W\text{-}minus$
 $\text{\textcolor{red}{PWm}} \Rightarrow W^-$
- $\text{\textcolor{red}{PWR}} \Rightarrow W_R$
- $W\text{-}prime boson$
 $\text{\textcolor{red}{PWpr}} \Rightarrow W'$
- $Z boson$
 $\text{\textcolor{red}{PZ}} \Rightarrow Z$
- $neutral Z boson$
 $\text{\textcolor{red}{PZz}} \Rightarrow Z^0$
- $Z\text{-}prime boson$
 $\text{\textcolor{red}{PZpr}} \Rightarrow Z'$
- $left-right Z boson$
 $\text{\textcolor{red}{PZLR}} \Rightarrow Z_{LR}$
- $\text{\textcolor{red}{PZgc}} \Rightarrow Z_\chi$
- $\text{\textcolor{red}{PZge}} \Rightarrow Z_\eta$

- $\text{\textcolor{red}{PZgy}} \Rightarrow Z_\psi$
- $\text{\textcolor{red}{PZi}} \Rightarrow Z_1$
- *axion*
 $\text{\textcolor{red}{PAz}} \Rightarrow A^0$
- *standard/heavy Higgs*
 $\text{\textcolor{red}{PH}} \Rightarrow H$
- *explicitly neutral standard/heavy Higgs*
 $\text{\textcolor{red}{PHz}} \Rightarrow H^0$
- *light Higgs*
 $\text{\textcolor{red}{Ph}} \Rightarrow h$
- *explicitly neutral light Higgs*
 $\text{\textcolor{red}{Phz}} \Rightarrow h^0$
- *pseudoscalar Higgs*
 $\text{\textcolor{red}{PA}} \Rightarrow A$
- *explicitly neutral pseudoscalar Higgs*
 $\text{\textcolor{red}{PAz}} \Rightarrow A^0$
- *charged Higgs*
 $\text{\textcolor{red}{PHpm}} \Rightarrow H^\pm$
- *charged Higgs*
 $\text{\textcolor{red}{PHmp}} \Rightarrow H^\mp$
- *positive-charged Higgs*
 $\text{\textcolor{red}{PHp}} \Rightarrow H^+$
- *negative-charged Higgs*
 $\text{\textcolor{red}{PHm}} \Rightarrow H^-$
- *lepton*
 $\text{\textcolor{red}{Pl}} \Rightarrow \ell$
- *charged lepton*
 $\text{\textcolor{red}{Plpm}} \Rightarrow \ell^\pm$
- *charged lepton*
 $\text{\textcolor{red}{Plmp}} \Rightarrow \ell^\mp$
- *positive lepton*
 $\text{\textcolor{red}{Plp}} \Rightarrow \ell^+$
- *negative lepton*
 $\text{\textcolor{red}{Plm}} \Rightarrow \ell^-$
- *anti-lepton*
 $\text{\textcolor{red}{Pal}} \Rightarrow \bar{\ell}$
- *generic neutrino*
 $\text{\textcolor{red}{Pgn}} \Rightarrow \nu$
- *neutrino (for lepton ell)*
 $\text{\textcolor{red}{Pgnl}} \Rightarrow \nu_\ell$
- *generic anti-neutrino*
 $\text{\textcolor{red}{Pagn}} \Rightarrow \bar{\nu}$
- *anti-neutrino (for lepton ell)*
 $\text{\textcolor{red}{Pagnl}} \Rightarrow \bar{\nu}_\ell$
- *electronic*
 $\text{\textcolor{red}{Pe}} \Rightarrow e$
- *e plus/minus*
 $\text{\textcolor{red}{Pepm}} \Rightarrow e^\pm$
- *e minus/plus*
 $\text{\textcolor{red}{Pemp}} \Rightarrow e^\mp$
- *electron*
 $\text{\textcolor{red}{Pem}} \Rightarrow e^-$
- *positron*
 $\text{\textcolor{red}{Pep}} \Rightarrow e^+$

- muonic
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{m}} \Rightarrow \mu$
- mu plus/minus
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{mp}}\text{\textcolor{red}{pm}} \Rightarrow \mu^\pm$
- mu minus/plus
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{mm}}\text{\textcolor{red}{mp}} \Rightarrow \mu^\mp$
- muon
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{mm}} \Rightarrow \mu^-$
- anti-muon
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{mp}} \Rightarrow \mu^+$
- tauonic
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{t}} \Rightarrow \tau$
- tau plus/minus
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{tp}}\text{\textcolor{red}{pm}} \Rightarrow \tau^\pm$
- tau minus/plus
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{tmp}} \Rightarrow \tau^\mp$
- tau lepton
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{tm}} \Rightarrow \tau^-$
- anti-tau
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{tp}} \Rightarrow \tau^+$
- electron neutrino
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{ne}} \Rightarrow \nu_e$
- muon neutrino
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{ngm}} \Rightarrow \nu_\mu$
- tau neutrino
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{ngt}} \Rightarrow \nu_\tau$
- electron anti-neutrino
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{gne}} \Rightarrow \bar{\nu}_e$
- muon anti-neutrino
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{ngm}} \Rightarrow \bar{\nu}_\mu$
- tau anti-neutrino
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{ngt}} \Rightarrow \bar{\nu}_\tau$
- quark
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{q}} \Rightarrow q$
- anti-quark
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{q}} \Rightarrow \bar{q}$
- down quark
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{d}} \Rightarrow d$
- up quark
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{u}} \Rightarrow u$
- strange quark
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{s}} \Rightarrow s$
- charm quark
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{c}} \Rightarrow c$
- bottom quark
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{b}} \Rightarrow b$
- top quark
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{t}} \Rightarrow t$
- down anti-quark
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qd}} \Rightarrow \bar{d}$
- up anti-quark
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qu}} \Rightarrow \bar{u}$
- strange anti-quark
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qs}} \Rightarrow \bar{s}$
- charm anti-quark
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qc}} \Rightarrow \bar{c}$

- *bottom anti-quark*
 $\text{\textcolor{red}{\textit{Paqb}}} \Rightarrow \bar{b}$
- *top anti-quark*
 $\text{\textcolor{red}{\textit{Paqt}}} \Rightarrow \bar{t}$
- $\text{\textcolor{red}{\textit{Pqb}}} \Rightarrow b$
- $\text{\textcolor{red}{\textit{Pqc}}} \Rightarrow c$
- $\text{\textcolor{red}{\textit{Pqd}}} \Rightarrow d$
- $\text{\textcolor{red}{\textit{Pqs}}} \Rightarrow s$
- $\text{\textcolor{red}{\textit{Pqt}}} \Rightarrow t$
- $\text{\textcolor{red}{\textit{Pqu}}} \Rightarrow u$
- $\text{\textcolor{red}{\textit{Pq}}} \Rightarrow q$
- *anti-bottom quark*
 $\text{\textcolor{red}{\textit{Paqb}}} \Rightarrow \bar{b}$
- *anti-charm quark*
 $\text{\textcolor{red}{\textit{Paqc}}} \Rightarrow \bar{c}$
- *anti-down quark*
 $\text{\textcolor{red}{\textit{Paqd}}} \Rightarrow \bar{d}$
- *anti-strange quark*
 $\text{\textcolor{red}{\textit{Paqs}}} \Rightarrow \bar{s}$
- *anti-top quark*
 $\text{\textcolor{red}{\textit{Paqt}}} \Rightarrow \bar{t}$
- *anti-up quark*
 $\text{\textcolor{red}{\textit{Paqu}}} \Rightarrow \bar{u}$
- *anti-quark*
 $\text{\textcolor{red}{\textit{Paq}}} \Rightarrow \bar{q}$
- *proton*
 $\text{\textcolor{red}{\textit{Pp}}} \Rightarrow p$
- *neutron*
 $\text{\textcolor{red}{\textit{Pn}}} \Rightarrow n$
- *anti-proton*
 $\text{\textcolor{red}{\textit{Pap}}} \Rightarrow \bar{p}$
- *anti-neutron*
 $\text{\textcolor{red}{\textit{Pan}}} \Rightarrow \bar{n}$
- $\text{\textcolor{red}{\textit{Pcgc}}} \Rightarrow \chi_c$
- $\text{\textcolor{red}{\textit{Pcgci}}} \Rightarrow \chi_{c2}(1P)$
- $\text{\textcolor{red}{\textit{Pcgci}}} \Rightarrow \chi_{c1}(1P)$
- $\text{\textcolor{red}{\textit{Pcgcz}}} \Rightarrow \chi_{c0}(1P)$
- $\text{\textcolor{red}{\textit{Pfia}}} \Rightarrow f_1(1390)$
- $\text{\textcolor{red}{\textit{Pfib}}} \Rightarrow f_1(1510)$
- $\text{\textcolor{red}{\textit{Pfiia}}} \Rightarrow f_2(1720)$
- $\text{\textcolor{red}{\textit{Pfiib}}} \Rightarrow f_2(2010)$
- $\text{\textcolor{red}{\textit{Pfiic}}} \Rightarrow f_2(2300)$
- $\text{\textcolor{red}{\textit{Pfiid}}} \Rightarrow f_2(2340)$
- $\text{\textcolor{red}{\textit{Pfiipr}}} \Rightarrow f'_2(1525)$
- $\text{\textcolor{red}{\textit{Pfi}}i} \Rightarrow f_2(1270)$
- $\text{\textcolor{red}{\textit{Pfi}}v} \Rightarrow f_4(2050)$
- $\text{\textcolor{red}{\textit{Pfi}}} \Rightarrow f_1(1285)$
- $\text{\textcolor{red}{\textit{Pfza}}} \Rightarrow f_0(1400)$
- $\text{\textcolor{red}{\textit{Pfzb}}} \Rightarrow f_0(1590)$

- $\text{\textcolor{red}{Pfz}} \Rightarrow f_0(975)$
- $\text{\textcolor{red}{PgD}} \Rightarrow \Delta$
- $\text{\textcolor{red}{PgDa}} \Rightarrow \Delta(1232) P_{33}$
- $\text{\textcolor{red}{PgDb}} \Rightarrow \Delta(1620) S_{31}$
- $\text{\textcolor{red}{PgDc}} \Rightarrow \Delta(1700) D_{33}$
- $\text{\textcolor{red}{PgDd}} \Rightarrow \Delta(1900) S_{31}$
- $\text{\textcolor{red}{PgDe}} \Rightarrow \Delta(1905) F_{35}$
- $\text{\textcolor{red}{PgDf}} \Rightarrow \Delta(1910) P_{31}$
- $\text{\textcolor{red}{PgDh}} \Rightarrow \Delta(1920) P_{33}$
- $\text{\textcolor{red}{PgDi}} \Rightarrow \Delta(1930) D_{35}$
- $\text{\textcolor{red}{PgDj}} \Rightarrow \Delta(1950) F_{37}$
- $\text{\textcolor{red}{PgDk}} \Rightarrow \Delta(2420) H_{3,11}$
- $\text{\textcolor{red}{PgL}} \Rightarrow \Lambda$
- $\text{\textcolor{red}{PagL}} \Rightarrow \overline{\Lambda}$
- $\text{\textcolor{red}{PcgLp}} \Rightarrow \Lambda_c^+$
- $\text{\textcolor{red}{PbgL}} \Rightarrow \Lambda_b$
- $\text{\textcolor{red}{PgLa}} \Rightarrow \Lambda(1405) S_{01}$
- $\text{\textcolor{red}{PgLb}} \Rightarrow \Lambda(1520) D_{03}$
- $\text{\textcolor{red}{PgLc}} \Rightarrow \Lambda(1600) P_{01}$
- $\text{\textcolor{red}{PgLd}} \Rightarrow \Lambda(1670) S_{01}$
- $\text{\textcolor{red}{PgLe}} \Rightarrow \Lambda(1690) D_{03}$
- $\text{\textcolor{red}{PgLf}} \Rightarrow \Lambda(1800) S_{01}$
- $\text{\textcolor{red}{PgLg}} \Rightarrow \Lambda(1810) P_{01}$
- $\text{\textcolor{red}{PgLh}} \Rightarrow \Lambda(1820) F_{05}$
- $\text{\textcolor{red}{PgLi}} \Rightarrow \Lambda(1830) D_{05}$
- $\text{\textcolor{red}{PgLj}} \Rightarrow \Lambda(1890) P_{03}$
- $\text{\textcolor{red}{PgLk}} \Rightarrow \Lambda(2100) G_{07}$
- $\text{\textcolor{red}{PgLl}} \Rightarrow \Lambda(2110) F_{05}$
- $\text{\textcolor{red}{PgLm}} \Rightarrow \Lambda(2350) H_{09}$
- $\text{\textcolor{red}{PgO}} \Rightarrow \Omega$
- $\text{\textcolor{red}{PgOp}} \Rightarrow \Omega^\pm$
- $\text{\textcolor{red}{PgOmp}} \Rightarrow \Omega^\mp$
- $\text{\textcolor{red}{PgOp}} \Rightarrow \Omega^+$
- $\text{\textcolor{red}{PgOm}} \Rightarrow \Omega^-$
- $\text{\textcolor{red}{PgOma}} \Rightarrow \Omega(2250)^-$
- *new*
- $\text{\textcolor{red}{PagOp}} \Rightarrow \overline{\Omega}^+$
- $\text{\textcolor{red}{PagOm}} \Rightarrow \overline{\Omega}^-$
- $\text{\textcolor{red}{PgS}} \Rightarrow \Sigma$
- $\text{\textcolor{red}{PgSpm}} \Rightarrow \Sigma^\pm$
- $\text{\textcolor{red}{PgSmp}} \Rightarrow \Sigma^\mp$
- $\text{\textcolor{red}{PgSm}} \Rightarrow \Sigma^-$
- $\text{\textcolor{red}{PgSp}} \Rightarrow \Sigma^+$
- $\text{\textcolor{red}{PgSz}} \Rightarrow \Sigma^0$
- $\text{\textcolor{red}{PcgS}} \Rightarrow \Sigma_c$
- $\text{\textcolor{red}{PagSm}} \Rightarrow \overline{\Sigma}^-$
- $\text{\textcolor{red}{PagSp}} \Rightarrow \overline{\Sigma}^+$

- $\text{\textcolor{red}{\textit{PagSz}}} \Rightarrow \overline{\Sigma}^0$
- $\text{\textcolor{red}{\textit{PacgS}}} \Rightarrow \overline{\Sigma}_c$
- $\text{\textcolor{red}{\textit{PgSa}}} \Rightarrow \Sigma(1385) P_{13}$
- $\text{\textcolor{red}{\textit{PgSb}}} \Rightarrow \Sigma(1660) P_{11}$
- $\text{\textcolor{red}{\textit{PgSc}}} \Rightarrow \Sigma(1670) D_{13}$
- $\text{\textcolor{red}{\textit{PgSd}}} \Rightarrow \Sigma(1750) S_{11}$
- $\text{\textcolor{red}{\textit{PgSe}}} \Rightarrow \Sigma(1775) D_{15}$
- $\text{\textcolor{red}{\textit{PgSf}}} \Rightarrow \Sigma(1915) F_{15}$
- $\text{\textcolor{red}{\textit{PgSg}}} \Rightarrow \Sigma(1940) D_{13}$
- $\text{\textcolor{red}{\textit{PgSh}}} \Rightarrow \Sigma(2030) F_{17}$
- $\text{\textcolor{red}{\textit{PgSi}}} \Rightarrow \Sigma(2050)$
- $\text{\textcolor{red}{\textit{PcgSi}}} \Rightarrow \Sigma_c(2455)$
- $\text{\textcolor{red}{\textit{PgU}}} \Rightarrow \Upsilon$
- $\text{\textcolor{red}{\textit{PgUi}}} \Rightarrow \Upsilon(1S)$
- $\text{\textcolor{red}{\textit{PgUa}}} \Rightarrow \Upsilon(2S)$
- $\text{\textcolor{red}{\textit{PgUb}}} \Rightarrow \Upsilon(3S)$
- $\text{\textcolor{red}{\textit{PgUc}}} \Rightarrow \Upsilon(4S)$
- $\text{\textcolor{red}{\textit{PgUd}}} \Rightarrow \Upsilon(10860)$
- $\text{\textcolor{red}{\textit{PgUe}}} \Rightarrow \Upsilon(11020)$
- $\text{\textcolor{red}{\textit{PgX}}} \Rightarrow \Xi$
- $\text{\textcolor{red}{\textit{PgXp}}} \Rightarrow \Xi^+$
- $\text{\textcolor{red}{\textit{PgXm}}} \Rightarrow \Xi^-$
- $\text{\textcolor{red}{\textit{PgXz}}} \Rightarrow \overline{\Xi}^0$
- $\text{\textcolor{red}{\textit{PgXa}}} \Rightarrow \Xi(1530) P_{13}$
- $\text{\textcolor{red}{\textit{PgXb}}} \Rightarrow \Xi(1690)$
- $\text{\textcolor{red}{\textit{PgXc}}} \Rightarrow \Xi(1820) D_{13}$
- $\text{\textcolor{red}{\textit{PgXd}}} \Rightarrow \Xi(1950)$
- $\text{\textcolor{red}{\textit{PgXe}}} \Rightarrow \Xi(2030)$
- $\text{\textcolor{red}{\textit{PagXp}}} \Rightarrow \overline{\Xi}^+$
- $\text{\textcolor{red}{\textit{PagXm}}} \Rightarrow \overline{\Xi}^-$
- $\text{\textcolor{red}{\textit{PagXz}}} \Rightarrow \overline{\Xi}^0$
- $\text{\textcolor{red}{\textit{PcgXp}}} \Rightarrow \Xi_c^+$
- $\text{\textcolor{red}{\textit{PcgXz}}} \Rightarrow \Xi_c^0$
- $\text{\textcolor{red}{\textit{Pgf}}} \Rightarrow \phi$
- $\text{\textcolor{red}{\textit{Pgfi}}} \Rightarrow \phi(1020)$
- $\text{\textcolor{red}{\textit{Pgfa}}} \Rightarrow \phi(1680)$
- $\text{\textcolor{red}{\textit{Pgfiii}}} \Rightarrow \phi_3(1850)$
- $\text{\textcolor{red}{\textit{Pgh}}} \Rightarrow \eta$
- $\text{\textcolor{red}{\textit{Pghpr}}} \Rightarrow \eta'$
- $\text{\textcolor{red}{\textit{Pcgh}}} \Rightarrow \eta_c$
- $\text{\textcolor{red}{\textit{Pgha}}} \Rightarrow \eta(1295)$
- $\text{\textcolor{red}{\textit{Pghb}}} \Rightarrow \eta(1440)$
- $\text{\textcolor{red}{\textit{Pghpri}}} \Rightarrow \eta'(958)$
- $\text{\textcolor{red}{\textit{Pcghi}}} \Rightarrow \eta_c(1S)$
- $\text{\textcolor{red}{\textit{Pgo}}} \Rightarrow \omega$
- $\text{\textcolor{red}{\textit{Pgoi}}} \Rightarrow \omega(783)$
- $\text{\textcolor{red}{\textit{Pgoa}}} \Rightarrow \omega(1390)$

- $\text{\textcolor{red}{Pgo}}\text{\textcolor{black}{b}} \Rightarrow \omega(1600)$
- $\text{\textcolor{red}{Pgo}}\text{\textcolor{black}{ii}}\text{\textcolor{black}{i}} \Rightarrow \omega(3)^{1670}$
- *pion*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{black}{p}} \Rightarrow \pi$
- *charged pion*
 $\text{\textcolor{red}{Pgppm}} \Rightarrow \pi^\pm$
- *charged pion*
 $\text{\textcolor{red}{Pgmp}} \Rightarrow \pi^\mp$
- *negative pion*
 $\text{\textcolor{red}{Pgpm}} \Rightarrow \pi^-$
- *positive pion*
 $\text{\textcolor{red}{Pgpp}} \Rightarrow \pi^+$
- *neutral pion*
 $\text{\textcolor{red}{Pgpz}} \Rightarrow \pi^0$
- $\text{\textcolor{red}{Pgpa}} \Rightarrow \pi(1300)$
- $\text{\textcolor{red}{Pgpi}}\text{\textcolor{black}{i}}\text{\textcolor{black}{i}} \Rightarrow \pi_2(1670)$
- *resonance removed*
 $\text{\textcolor{red}{Pgr}} \Rightarrow \rho$
- $\text{\textcolor{red}{Pgrp}} \Rightarrow \rho^+$
- $\text{\textcolor{red}{Pgrm}} \Rightarrow \rho^-$
- $\text{\textcolor{red}{Pgrpm}} \Rightarrow \rho^\pm$
- $\text{\textcolor{red}{Pgrmp}} \Rightarrow \rho^\mp$
- $\text{\textcolor{red}{Pgrz}} \Rightarrow \rho^0$
- *new*
 $\text{\textcolor{red}{Pgri}} \Rightarrow \rho(770)$
- $\text{\textcolor{red}{Pgра}} \Rightarrow \rho(1450)$
- $\text{\textcolor{red}{Pgrb}} \Rightarrow \rho(1700)$
- $\text{\textcolor{red}{Pgri}}\text{\textcolor{black}{i}}\text{\textcolor{black}{i}} \Rightarrow \rho_3(1690)$
- $\text{\textcolor{red}{PJgy}} \Rightarrow J/\psi$
- $\text{\textcolor{red}{PJgy}}\text{\textcolor{black}{i}} \Rightarrow J/\psi(1S)$
- $\text{\textcolor{red}{Pgy}} \Rightarrow \psi$
- $\text{\textcolor{red}{Pgy}}\text{\textcolor{black}{i}}\text{\textcolor{black}{i}} \Rightarrow \psi(2S)$
- $\text{\textcolor{red}{Pgya}} \Rightarrow \psi(3770)$
- $\text{\textcolor{red}{Pgyb}} \Rightarrow \psi(4040)$
- $\text{\textcolor{red}{Pgyc}} \Rightarrow \psi(4160)$
- $\text{\textcolor{red}{Pgyd}} \Rightarrow \psi(4415)$
- $\text{\textcolor{red}{PD}} \Rightarrow D$
- $\text{\textcolor{red}{PDpm}} \Rightarrow D^\pm$
- $\text{\textcolor{red}{PDmp}} \Rightarrow D^\mp$
- $\text{\textcolor{red}{PDz}} \Rightarrow D^0$
- $\text{\textcolor{red}{PDm}} \Rightarrow D^-$
- $\text{\textcolor{red}{PDp}} \Rightarrow D^+$
- $\text{\textcolor{red}{PDst}} \Rightarrow D^*$
- $\text{\textcolor{red}{PaD}} \Rightarrow \overline{D}$
- $\text{\textcolor{red}{PaDz}} \Rightarrow \overline{D}^0$
- *new 2005-07-08*
 $\text{\textcolor{red}{PsD}} \Rightarrow D_s$
- $\text{\textcolor{red}{PsDm}} \Rightarrow D_s^-$

- $\text{\textcolor{red}{PsDp}} \Rightarrow D_s^+$
- $\text{\textcolor{red}{PsDpm}} \Rightarrow D_s^\pm$
- $\text{\textcolor{red}{PsDmp}} \Rightarrow D_s^\mp$
- $\text{\textcolor{red}{PsDst}} \Rightarrow D_s^*$
- $\text{\textcolor{red}{PsDipm}} \Rightarrow D_{s1}(2536)^\pm$
- $\text{\textcolor{red}{PsDimp}} \Rightarrow D_{s1}(2536)^\mp$
- $\text{\textcolor{red}{PDis}} \Rightarrow D_1(2420)^0$
- $\text{\textcolor{red}{PDstizz}} \Rightarrow D_2^*(2460)^0$
- $\text{\textcolor{red}{PDstpm}} \Rightarrow D^*(2010)^\pm$
- $\text{\textcolor{red}{PDstmp}} \Rightarrow D^*(2010)^\mp$
- $\text{\textcolor{red}{PDstz}} \Rightarrow D^*(2010)^0$
- $\text{\textcolor{red}{PEz}} \Rightarrow E^0$
- $\text{\textcolor{red}{PLpm}} \Rightarrow L^\pm$
- $\text{\textcolor{red}{PLmp}} \Rightarrow L^\mp$
- $\text{\textcolor{red}{PLz}} \Rightarrow L^0$
- $\text{\textcolor{red}{Paii}} \Rightarrow a_2(1320)$
- $\text{\textcolor{red}{Pai}} \Rightarrow a_1(1260)$
- $\text{\textcolor{red}{Paz}} \Rightarrow a_0(980)$
- $\text{\textcolor{red}{Pbgcia}} \Rightarrow \chi_{b1}(2P)$
- $\text{\textcolor{red}{Pbgciia}} \Rightarrow \chi_{b2}(2P)$
- $\text{\textcolor{red}{Pbgcii}} \Rightarrow \chi_{b2}(1P)$
- $\text{\textcolor{red}{Pbgci}} \Rightarrow \chi_{b1}(1P)$
- $\text{\textcolor{red}{Pbgcza}} \Rightarrow \chi_{b0}(2P)$
- $\text{\textcolor{red}{Pbgcz}} \Rightarrow \chi_{b0}(1P)$
- $\text{\textcolor{red}{Pbi}} \Rightarrow b_1(1235)$
- $\text{\textcolor{red}{Phia}} \Rightarrow h_1(1170)$
- $Higgsino$
 $\text{\textcolor{red}{PSH}} \Rightarrow \tilde{H}$
- $positive\ Higgsino$
 $\text{\textcolor{red}{PSH}p} \Rightarrow \tilde{H}^+$
- $negative\ Higgsino$
 $\text{\textcolor{red}{PSH}m} \Rightarrow \tilde{H}^-$
- $charged\ Higgsino$
 $\text{\textcolor{red}{PSH}pm} \Rightarrow \tilde{H}^\pm$
- $charged\ Higgsino$
 $\text{\textcolor{red}{PSH}mp} \Rightarrow \tilde{H}^\mp$
- $neutral\ Higgsino$
 $\text{\textcolor{red}{PSH}z} \Rightarrow \tilde{H}^0$
- $wino$
 $\text{\textcolor{red}{PSW}} \Rightarrow \widetilde{W}$
- $positive\ wino$
 $\text{\textcolor{red}{PSW}p} \Rightarrow \widetilde{W}^+$
- $negative\ wino$
 $\text{\textcolor{red}{PSW}m} \Rightarrow \widetilde{W}^-$
- $wino\ pm$
 $\text{\textcolor{red}{PSW}pm} \Rightarrow \widetilde{W}^\pm$
- $wino\ mp$
 $\text{\textcolor{red}{PSW}mp} \Rightarrow \widetilde{W}^\mp$
- $zino$
 $\text{\textcolor{red}{PSZ}} \Rightarrow \widetilde{Z}$

- *zino*
 $\text{\color{red}\texttt{\$PSZz}} \Rightarrow \tilde{Z}^0$
- *bino*
 $\text{\color{red}\texttt{\$PSB}} \Rightarrow \tilde{B}$
- *selectron*
 $\text{\color{red}\texttt{\$PSe}} \Rightarrow \tilde{e}$
- *photino*
 $\text{\color{red}\texttt{\$PSgg}} \Rightarrow \tilde{\gamma}$
- *smuon*
 $\text{\color{red}\texttt{\$PSgm}} \Rightarrow \tilde{\mu}$
- *sneutrino*
 $\text{\color{red}\texttt{\$PSgn}} \Rightarrow \tilde{\nu}$
- *stau*
 $\text{\color{red}\texttt{\$PSgt}} \Rightarrow \tilde{\tau}$
- *chargino/neutralino*
 $\text{\color{red}\texttt{\$PSgx}} \Rightarrow \tilde{\chi}$
- *chargino pm*
 $\text{\color{red}\texttt{\$PSgxpm}} \Rightarrow \tilde{\chi}^\pm$
- *chargino mp*
 $\text{\color{red}\texttt{\$PSgxmp}} \Rightarrow \tilde{\chi}^\mp$
- *neutralino*
 $\text{\color{red}\texttt{\$PSgxxz}} \Rightarrow \tilde{\chi}^0$
- *lightest neutralino*
 $\text{\color{red}\texttt{\$PSgxxzi}} \Rightarrow \tilde{\chi}_1^0$
- *next-to-lightest neutralino*
 $\text{\color{red}\texttt{\$PSgxxzi}} \Rightarrow \tilde{\chi}_2^0$
- *gluino*
 $\text{\color{red}\texttt{\$PSg}} \Rightarrow \tilde{g}$
- *slepton (generic)*
 $\text{\color{red}\texttt{\$PSl}} \Rightarrow \tilde{\ell}$
- *anti-slepton (generic)*
 $\text{\color{red}\texttt{\$Pasl}} \Rightarrow \bar{\tilde{\ell}}$
- *squark (generic)*
 $\text{\color{red}\texttt{\$PSq}} \Rightarrow \tilde{q}$
- *anti-squark (generic)*
 $\text{\color{red}\texttt{\$Pasq}} \Rightarrow \bar{\tilde{q}}$
- *down squark*
 $\text{\color{red}\texttt{\$PSqd}} \Rightarrow \tilde{d}$
- *up squark*
 $\text{\color{red}\texttt{\$PSqu}} \Rightarrow \tilde{u}$
- *strange squark*
 $\text{\color{red}\texttt{\$PSqs}} \Rightarrow \tilde{s}$
- *charm squark*
 $\text{\color{red}\texttt{\$PSqc}} \Rightarrow \tilde{c}$
- *bottom squark (sbottom)*
 $\text{\color{red}\texttt{\$PSqb}} \Rightarrow \tilde{b}$
- *top squark (stop)*
 $\text{\color{red}\texttt{\$PSqt}} \Rightarrow \tilde{t}$
- *anti-down squark*
 $\text{\color{red}\texttt{\$Pasqd}} \Rightarrow \bar{\tilde{d}}$
- *anti-up squark*
 $\text{\color{red}\texttt{\$Pasqu}} \Rightarrow \bar{\tilde{u}}$
- *anti-strange squark*
 $\text{\color{red}\texttt{\$Pasqs}} \Rightarrow \bar{\tilde{s}}$
- *anti-charm squark*
 $\text{\color{red}\texttt{\$Pasqc}} \Rightarrow \bar{\tilde{c}}$

- *anti-bottom squark*
 $\textcolor{red}{\backslash PaSq b} \Rightarrow \tilde{\bar{b}}$
- *anti-top squark (stop)*
 $\textcolor{red}{\backslash PaSqt} \Rightarrow \tilde{\bar{t}}$

4 Bold italic font

- $\backslash \text{hepnames} \Rightarrow \text{hepnames}$
- $\backslash \text{heppennames} \Rightarrow \text{heppennames}$
- $\backslash \text{PB} \Rightarrow B$
- $\backslash \text{PBpm} \Rightarrow B^\pm$
- $\backslash \text{PBmp} \Rightarrow B^\mp$
- $\backslash \text{PBp} \Rightarrow B^+$
- $\backslash \text{PBm} \Rightarrow B^-$
- $\backslash \text{PBz} \Rightarrow B^0$
- $\backslash \text{PdB} \Rightarrow B_d^0$
- $\backslash \text{PuB} \Rightarrow B^+$
- $\backslash \text{PcB} \Rightarrow B_c^+$
- $\backslash \text{PsB} \Rightarrow B_s^0$
- $\backslash \text{PaB} \Rightarrow \overline{B}$
- $\backslash \text{PaBz} \Rightarrow \overline{B}^0$
- $\backslash \text{PadB} \Rightarrow \overline{B}_d^0$
- $\backslash \text{PauB} \Rightarrow B^-$
- $\backslash \text{PacB} \Rightarrow B_c^-$
- $\backslash \text{PasB} \Rightarrow \overline{B}_s^0$
- kaon
 $\backslash \text{PK} \Rightarrow K$
- *charged kaon*
 $\backslash \text{PKpm} \Rightarrow K^\pm$
- *charged kaon*
 $\backslash \text{PKmp} \Rightarrow K^\mp$
- *negative kaon*
 $\backslash \text{PKm} \Rightarrow K^-$
- *positive kaon*
 $\backslash \text{PKp} \Rightarrow K^+$
- *neutral kaon*
 $\backslash \text{PKz} \Rightarrow K^0$
- *K-long*
 $\backslash \text{PKzL} \Rightarrow K_L^0$
- *K-short*
 $\backslash \text{PKzS} \Rightarrow K_S^0$
- *K star*
 $\backslash \text{PKst} \Rightarrow K^*$
- *anti-kaon*
 $\backslash \text{PaK} \Rightarrow \overline{K}$
- *neutral anti-kaon*
 $\backslash \text{PaKz} \Rightarrow \overline{K}^0$
- $\backslash \text{PKeiii} \Rightarrow K_{e3}$
- $\backslash \text{PKgmiisi} \Rightarrow K_{\mu 3}$
- $\backslash \text{PKzeiiii} \Rightarrow K_{e3}^0$
- $\backslash \text{PKzgmiisi} \Rightarrow K_{\mu 3}^0$

- $\text{\textcolor{red}{PKia}} \Rightarrow K_1(1400)$
- $\text{\textcolor{red}{PKii}} \Rightarrow K_2(1770)$
- $\text{\textcolor{red}{PKi}} \Rightarrow K_1(1270)$
- $\text{\textcolor{red}{PKsti}} \Rightarrow K^*(892)$
- $\text{\textcolor{red}{PKsta}} \Rightarrow K^*(1370)$
- $\text{\textcolor{red}{PKstb}} \Rightarrow K^*(1680)$
- $\text{\textcolor{red}{PKstiii}} \Rightarrow K_3^*(1780)$
- $\text{\textcolor{red}{PKstii}} \Rightarrow K_2^*(1430)$
- $\text{\textcolor{red}{PKstiv}} \Rightarrow K_4^*(2045)$
- $\text{\textcolor{red}{PKstz}} \Rightarrow K_0^*(1430)$
- $\text{\textcolor{red}{PN}} \Rightarrow N$
- $\text{\textcolor{red}{PNa}} \Rightarrow N(1440) P_{11}$
- $\text{\textcolor{red}{PNb}} \Rightarrow N(1520) D_{13}$
- $\text{\textcolor{red}{PNC}} \Rightarrow N(1535) S_{11}$
- $\text{\textcolor{red}{PNd}} \Rightarrow N(1650) S_{11}$
- $\text{\textcolor{red}{PNe}} \Rightarrow N(1675) D_{15}$
- $\text{\textcolor{red}{PNf}} \Rightarrow N(1680) F_{15}$
- $\text{\textcolor{red}{PNg}} \Rightarrow N(1700) D_{13}$
- $\text{\textcolor{red}{PNh}} \Rightarrow N(1710) P_{11}$
- $\text{\textcolor{red}{PNi}} \Rightarrow N(1720) P_{13}$
- $\text{\textcolor{red}{PNj}} \Rightarrow N(2190) G_{17}$
- $\text{\textcolor{red}{PNk}} \Rightarrow N(2220) H_{19}$
- $\text{\textcolor{red}{PNl}} \Rightarrow N(2250) G_{19}$
- $\text{\textcolor{red}{PNm}} \Rightarrow N(2600) I_{1,11}$
- *gluon*
 $\text{\textcolor{red}{Pg}} \Rightarrow g$
- *photon*
 $\text{\textcolor{red}{Pgg}} \Rightarrow \gamma$
- *W boson*
 $\text{\textcolor{red}{PW}} \Rightarrow W$
- *charged W boson*
 $\text{\textcolor{red}{PWpm}} \Rightarrow W^\pm$
- *charged W boson*
 $\text{\textcolor{red}{PWmp}} \Rightarrow W^\mp$
- *W-plus*
 $\text{\textcolor{red}{PWp}} \Rightarrow W^+$
- *W-minus*
 $\text{\textcolor{red}{PWm}} \Rightarrow W^-$
- $\text{\textcolor{red}{PWR}} \Rightarrow W_R$
- *W-prime boson*
 $\text{\textcolor{red}{PWpr}} \Rightarrow W'$
- *Z boson*
 $\text{\textcolor{red}{PZ}} \Rightarrow Z$
- *neutral Z boson*
 $\text{\textcolor{red}{PZz}} \Rightarrow Z^0$
- *Z-prime boson*
 $\text{\textcolor{red}{PZpr}} \Rightarrow Z'$
- *left-right Z boson*
 $\text{\textcolor{red}{PZLR}} \Rightarrow Z_{LR}$
- $\text{\textcolor{red}{PZgc}} \Rightarrow Z_\chi$
- $\text{\textcolor{red}{PZge}} \Rightarrow Z_\eta$

- $\text{\textcolor{red}{PZgy}} \Rightarrow Z_\psi$
- $\text{\textcolor{red}{PZi}} \Rightarrow Z_1$
- *axion*
 $\text{\textcolor{red}{PAz}} \Rightarrow A^0$
- *standard/heavy Higgs*
 $\text{\textcolor{red}{PH}} \Rightarrow H$
- *explicitly neutral standard/heavy Higgs*
 $\text{\textcolor{red}{PHz}} \Rightarrow H^0$
- *light Higgs*
 $\text{\textcolor{red}{Ph}} \Rightarrow h$
- *explicitly neutral light Higgs*
 $\text{\textcolor{red}{Phz}} \Rightarrow h^0$
- *pseudoscalar Higgs*
 $\text{\textcolor{red}{PA}} \Rightarrow A$
- *explicitly neutral pseudoscalar Higgs*
 $\text{\textcolor{red}{PAz}} \Rightarrow A^0$
- *charged Higgs*
 $\text{\textcolor{red}{PHpm}} \Rightarrow H^\pm$
- *charged Higgs*
 $\text{\textcolor{red}{PHmp}} \Rightarrow H^\mp$
- *positive-charged Higgs*
 $\text{\textcolor{red}{PHp}} \Rightarrow H^+$
- *negative-charged Higgs*
 $\text{\textcolor{red}{PHm}} \Rightarrow H^-$
- *lepton*
 $\text{\textcolor{red}{Pl}} \Rightarrow \ell$
- *charged lepton*
 $\text{\textcolor{red}{Plpm}} \Rightarrow \ell^\pm$
- *charged lepton*
 $\text{\textcolor{red}{Plmp}} \Rightarrow \ell^\mp$
- *positive lepton*
 $\text{\textcolor{red}{Plp}} \Rightarrow \ell^+$
- *negative lepton*
 $\text{\textcolor{red}{Plm}} \Rightarrow \ell^-$
- *anti-lepton*
 $\text{\textcolor{red}{Pal}} \Rightarrow \bar{\ell}$
- *generic neutrino*
 $\text{\textcolor{red}{Pgn}} \Rightarrow \nu$
- *neutrino (for lepton ell)*
 $\text{\textcolor{red}{Pgnl}} \Rightarrow \nu_\ell$
- *generic anti-neutrino*
 $\text{\textcolor{red}{Pagn}} \Rightarrow \bar{\nu}$
- *anti-neutrino (for lepton ell)*
 $\text{\textcolor{red}{Pagnl}} \Rightarrow \bar{\nu}_\ell$
- *electronic*
 $\text{\textcolor{red}{Pe}} \Rightarrow e$
- *e plus/minus*
 $\text{\textcolor{red}{Pepm}} \Rightarrow e^\pm$
- *e minus/plus*
 $\text{\textcolor{red}{Pemp}} \Rightarrow e^\mp$
- *electron*
 $\text{\textcolor{red}{Pem}} \Rightarrow e^-$
- *positron*
 $\text{\textcolor{red}{Pep}} \Rightarrow e^+$

- *muonic*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{m}} \Rightarrow \mu$
- *mu plus/minus*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{mp}}\text{\textcolor{red}{pm}} \Rightarrow \mu^\pm$
- *mu minus/plus*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{m}}\text{\textcolor{red}{mp}} \Rightarrow \mu^\mp$
- *muon*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{mm}} \Rightarrow \mu^-$
- *anti-muon*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{mp}} \Rightarrow \mu^+$
- *tauonic*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{t}} \Rightarrow \tau$
- *tau plus/minus*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{tp}}\text{\textcolor{red}{pm}} \Rightarrow \tau^\pm$
- *tau minus/plus*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{tmp}} \Rightarrow \tau^\mp$
- *tau lepton*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{tm}} \Rightarrow \tau^-$
- *anti-tau*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{tp}} \Rightarrow \tau^+$
- *electron neutrino*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{ne}} \Rightarrow \nu_e$
- *muon neutrino*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{ng}}\text{\textcolor{red}{m}} \Rightarrow \nu_\mu$
- *tau neutrino*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{ng}}\text{\textcolor{red}{t}} \Rightarrow \nu_\tau$
- *electron anti-neutrino*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{n}}\text{\textcolor{red}{e}} \Rightarrow \bar{\nu}_e$
- *muon anti-neutrino*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{ng}}\text{\textcolor{red}{gm}} \Rightarrow \bar{\nu}_\mu$
- *tau anti-neutrino*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{ng}}\text{\textcolor{red}{gt}} \Rightarrow \bar{\nu}_\tau$
- *quark*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{q}} \Rightarrow q$
- *anti-quark*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{aq}} \Rightarrow \bar{q}$
- *down quark*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qd}} \Rightarrow d$
- *up quark*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qu}} \Rightarrow u$
- *strange quark*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qs}} \Rightarrow s$
- *charm quark*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qc}} \Rightarrow c$
- *bottom quark*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qb}} \Rightarrow b$
- *top quark*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qt}} \Rightarrow t$
- *down anti-quark*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qd}} \Rightarrow \bar{d}$
- *up anti-quark*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qu}} \Rightarrow \bar{u}$
- *strange anti-quark*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qs}} \Rightarrow \bar{s}$
- *charm anti-quark*
 $\text{\textcolor{red}{Pg}}\text{\textcolor{red}{qc}} \Rightarrow \bar{c}$

- *bottom anti-quark*
 $\text{\textcolor{red}{\textit{\textbf{\textit{Paqb}}}}} \Rightarrow \bar{b}$
- *top anti-quark*
 $\text{\textcolor{red}{\textit{\textbf{\textit{Paqt}}}}} \Rightarrow \bar{t}$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pqb}}}}} \Rightarrow b$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pqc}}}}} \Rightarrow c$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pqd}}}}} \Rightarrow d$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pqs}}}}} \Rightarrow s$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pqt}}}}} \Rightarrow t$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pqu}}}}} \Rightarrow u$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pq}}}}} \Rightarrow q$
- *anti-bottom quark*
 $\text{\textcolor{red}{\textit{\textbf{\textit{Paqb}}}}} \Rightarrow \bar{b}$
- *anti-charm quark*
 $\text{\textcolor{red}{\textit{\textbf{\textit{Paqc}}}}} \Rightarrow \bar{c}$
- *anti-down quark*
 $\text{\textcolor{red}{\textit{\textbf{\textit{Paqd}}}}} \Rightarrow \bar{d}$
- *anti-strange quark*
 $\text{\textcolor{red}{\textit{\textbf{\textit{Paqs}}}}} \Rightarrow \bar{s}$
- *anti-top quark*
 $\text{\textcolor{red}{\textit{\textbf{\textit{Paqt}}}}} \Rightarrow \bar{t}$
- *anti-up quark*
 $\text{\textcolor{red}{\textit{\textbf{\textit{Paqu}}}}} \Rightarrow \bar{u}$
- *anti-quark*
 $\text{\textcolor{red}{\textit{\textbf{\textit{Paq}}}}} \Rightarrow \bar{q}$
- *proton*
 $\text{\textcolor{red}{\textit{\textbf{\textit{Pp}}}}} \Rightarrow p$
- *neutron*
 $\text{\textcolor{red}{\textit{\textbf{\textit{Pn}}}}} \Rightarrow n$
- *anti-proton*
 $\text{\textcolor{red}{\textit{\textbf{\textit{Pap}}}}} \Rightarrow \bar{p}$
- *anti-neutron*
 $\text{\textcolor{red}{\textit{\textbf{\textit{Pan}}}}} \Rightarrow \bar{n}$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pcgc}}}}} \Rightarrow \chi_c$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pcgci}}}}} \Rightarrow \chi_{c2}(1P)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pcgci}}}}} \Rightarrow \chi_{c1}(1P)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pcgcz}}}}} \Rightarrow \chi_{c0}(1P)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pfia}}}}} \Rightarrow f_1(1390)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pfib}}}}} \Rightarrow f_1(1510)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pfiia}}}}} \Rightarrow f_2(1720)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pfiib}}}}} \Rightarrow f_2(2010)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pfiic}}}}} \Rightarrow f_2(2300)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pfiid}}}}} \Rightarrow f_2(2340)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pfiipr}}}}} \Rightarrow f'_2(1525)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pfiii}}}}} \Rightarrow f_2(1270)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pfiiv}}}}} \Rightarrow f_4(2050)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pfia}}}}} \Rightarrow f_1(1285)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pfza}}}}} \Rightarrow f_0(1400)$
- $\text{\textcolor{red}{\textit{\textbf{\textit{Pfzb}}}}} \Rightarrow f_0(1590)$

- $\text{\textcolor{red}{Pfz}} \Rightarrow f_0(975)$
- $\text{\textcolor{red}{PgD}} \Rightarrow \Delta$
- $\text{\textcolor{red}{PgDa}} \Rightarrow \Delta(1232) P_{33}$
- $\text{\textcolor{red}{PgDb}} \Rightarrow \Delta(1620) S_{31}$
- $\text{\textcolor{red}{PgDc}} \Rightarrow \Delta(1700) D_{33}$
- $\text{\textcolor{red}{PgDd}} \Rightarrow \Delta(1900) S_{31}$
- $\text{\textcolor{red}{PgDe}} \Rightarrow \Delta(1905) F_{35}$
- $\text{\textcolor{red}{PgDf}} \Rightarrow \Delta(1910) P_{31}$
- $\text{\textcolor{red}{PgDh}} \Rightarrow \Delta(1920) P_{33}$
- $\text{\textcolor{red}{PgDi}} \Rightarrow \Delta(1930) D_{35}$
- $\text{\textcolor{red}{PgDj}} \Rightarrow \Delta(1950) F_{37}$
- $\text{\textcolor{red}{PgDk}} \Rightarrow \Delta(2420) H_{3,11}$
- $\text{\textcolor{red}{PgL}} \Rightarrow \Lambda$
- $\text{\textcolor{red}{PagL}} \Rightarrow \overline{\Lambda}$
- $\text{\textcolor{red}{PcgLp}} \Rightarrow \Lambda_c^+$
- $\text{\textcolor{red}{PbgL}} \Rightarrow \Lambda_b$
- $\text{\textcolor{red}{PgLa}} \Rightarrow \Lambda(1405) S_{01}$
- $\text{\textcolor{red}{PgLb}} \Rightarrow \Lambda(1520) D_{03}$
- $\text{\textcolor{red}{PgLc}} \Rightarrow \Lambda(1600) P_{01}$
- $\text{\textcolor{red}{PgLd}} \Rightarrow \Lambda(1670) S_{01}$
- $\text{\textcolor{red}{PgLe}} \Rightarrow \Lambda(1690) D_{03}$
- $\text{\textcolor{red}{PgLf}} \Rightarrow \Lambda(1800) S_{01}$
- $\text{\textcolor{red}{PgLg}} \Rightarrow \Lambda(1810) P_{01}$
- $\text{\textcolor{red}{PgLh}} \Rightarrow \Lambda(1820) F_{05}$
- $\text{\textcolor{red}{PgLi}} \Rightarrow \Lambda(1830) D_{05}$
- $\text{\textcolor{red}{PgLj}} \Rightarrow \Lambda(1890) P_{03}$
- $\text{\textcolor{red}{PgLk}} \Rightarrow \Lambda(2100) G_{07}$
- $\text{\textcolor{red}{PgLl}} \Rightarrow \Lambda(2110) F_{05}$
- $\text{\textcolor{red}{PgLm}} \Rightarrow \Lambda(2350) H_{09}$
- $\text{\textcolor{red}{PgO}} \Rightarrow \Omega$
- $\text{\textcolor{red}{PgOp}} \Rightarrow \Omega^\pm$
- $\text{\textcolor{red}{PgOmp}} \Rightarrow \Omega^\mp$
- $\text{\textcolor{red}{PgOp}} \Rightarrow \Omega^+$
- $\text{\textcolor{red}{PgOm}} \Rightarrow \Omega^-$
- $\text{\textcolor{red}{PgOma}} \Rightarrow \Omega(2250)^-$
- new
- $\text{\textcolor{red}{PagOp}} \Rightarrow \overline{\Omega}^+$
- $\text{\textcolor{red}{PagOm}} \Rightarrow \overline{\Omega}^-$
- $\text{\textcolor{red}{PgS}} \Rightarrow \Sigma$
- $\text{\textcolor{red}{PgSpm}} \Rightarrow \Sigma^\pm$
- $\text{\textcolor{red}{PgSmp}} \Rightarrow \Sigma^\mp$
- $\text{\textcolor{red}{PgSm}} \Rightarrow \Sigma^-$
- $\text{\textcolor{red}{PgSp}} \Rightarrow \Sigma^+$
- $\text{\textcolor{red}{PgSz}} \Rightarrow \Sigma^0$
- $\text{\textcolor{red}{PcgS}} \Rightarrow \Sigma_c$
- $\text{\textcolor{red}{PagSm}} \Rightarrow \overline{\Sigma}^-$
- $\text{\textcolor{red}{PagSp}} \Rightarrow \overline{\Sigma}^+$

- $\text{\textcolor{red}{\textit{PagSz}}} \Rightarrow \overline{\Sigma}^0$
- $\text{\textcolor{red}{\textit{PacgS}}} \Rightarrow \overline{\Sigma}_c$
- $\text{\textcolor{red}{\textit{PgSa}}} \Rightarrow \Sigma(1385) P_{13}$
- $\text{\textcolor{red}{\textit{PgSb}}} \Rightarrow \Sigma(1660) P_{11}$
- $\text{\textcolor{red}{\textit{PgSc}}} \Rightarrow \Sigma(1670) D_{13}$
- $\text{\textcolor{red}{\textit{PgSd}}} \Rightarrow \Sigma(1750) S_{11}$
- $\text{\textcolor{red}{\textit{PgSe}}} \Rightarrow \Sigma(1775) D_{15}$
- $\text{\textcolor{red}{\textit{PgSf}}} \Rightarrow \Sigma(1915) F_{15}$
- $\text{\textcolor{red}{\textit{PgSg}}} \Rightarrow \Sigma(1940) D_{13}$
- $\text{\textcolor{red}{\textit{PgSh}}} \Rightarrow \Sigma(2030) F_{17}$
- $\text{\textcolor{red}{\textit{PgSi}}} \Rightarrow \Sigma(2050)$
- $\text{\textcolor{red}{\textit{PcgSi}}} \Rightarrow \Sigma_c(2455)$
- $\text{\textcolor{red}{\textit{PgU}}} \Rightarrow \Upsilon$
- $\text{\textcolor{red}{\textit{PgUi}}} \Rightarrow \Upsilon(1S)$
- $\text{\textcolor{red}{\textit{PgUa}}} \Rightarrow \Upsilon(2S)$
- $\text{\textcolor{red}{\textit{PgUb}}} \Rightarrow \Upsilon(3S)$
- $\text{\textcolor{red}{\textit{PgUc}}} \Rightarrow \Upsilon(4S)$
- $\text{\textcolor{red}{\textit{PgUd}}} \Rightarrow \Upsilon(10860)$
- $\text{\textcolor{red}{\textit{PgUe}}} \Rightarrow \Upsilon(11020)$
- $\text{\textcolor{red}{\textit{PgX}}} \Rightarrow \Xi$
- $\text{\textcolor{red}{\textit{PgXp}}} \Rightarrow \Xi^+$
- $\text{\textcolor{red}{\textit{PgXm}}} \Rightarrow \Xi^-$
- $\text{\textcolor{red}{\textit{PgXz}}} \Rightarrow \overline{\Xi}^0$
- $\text{\textcolor{red}{\textit{PgXa}}} \Rightarrow \Xi(1530) P_{13}$
- $\text{\textcolor{red}{\textit{PgXb}}} \Rightarrow \Xi(1690)$
- $\text{\textcolor{red}{\textit{PgXc}}} \Rightarrow \Xi(1820) D_{13}$
- $\text{\textcolor{red}{\textit{PgXd}}} \Rightarrow \Xi(1950)$
- $\text{\textcolor{red}{\textit{PgXe}}} \Rightarrow \Xi(2030)$
- $\text{\textcolor{red}{\textit{PagXp}}} \Rightarrow \overline{\Xi}^+$
- $\text{\textcolor{red}{\textit{PagXm}}} \Rightarrow \overline{\Xi}^-$
- $\text{\textcolor{red}{\textit{PagXz}}} \Rightarrow \overline{\Xi}^0$
- $\text{\textcolor{red}{\textit{PcgXp}}} \Rightarrow \Xi_c^+$
- $\text{\textcolor{red}{\textit{PcgXz}}} \Rightarrow \Xi_c^0$
- $\text{\textcolor{red}{\textit{Pgf}}} \Rightarrow \phi$
- $\text{\textcolor{red}{\textit{Pgfi}}} \Rightarrow \phi(1020)$
- $\text{\textcolor{red}{\textit{Pgfa}}} \Rightarrow \phi(1680)$
- $\text{\textcolor{red}{\textit{Pgfiii}}} \Rightarrow \phi_3(1850)$
- $\text{\textcolor{red}{\textit{Pgh}}} \Rightarrow \eta$
- $\text{\textcolor{red}{\textit{Pghpr}}} \Rightarrow \eta'$
- $\text{\textcolor{red}{\textit{Pcgh}}} \Rightarrow \eta_c$
- $\text{\textcolor{red}{\textit{Pgha}}} \Rightarrow \eta(1295)$
- $\text{\textcolor{red}{\textit{Pghb}}} \Rightarrow \eta(1440)$
- $\text{\textcolor{red}{\textit{Pghpri}}} \Rightarrow \eta'(958)$
- $\text{\textcolor{red}{\textit{Pcghi}}} \Rightarrow \eta_c(1S)$
- $\text{\textcolor{red}{\textit{Pgo}}} \Rightarrow \omega$
- $\text{\textcolor{red}{\textit{Pgoi}}} \Rightarrow \omega(783)$
- $\text{\textcolor{red}{\textit{Pgoa}}} \Rightarrow \omega(1390)$

- $\text{\textcolor{red}{Pgo}}\text{\textcolor{black}{b}} \Rightarrow \omega(1600)$
- $\text{\textcolor{red}{Pgo}}\text{\textcolor{black}{ii}}\text{\textcolor{black}{i}} \Rightarrow \omega(3)^{1670}$
- *pion*
 $\text{\textcolor{red}{Pgp}} \Rightarrow \pi$
- *charged pion*
 $\text{\textcolor{red}{Pgppm}} \Rightarrow \pi^\pm$
- *charged pion*
 $\text{\textcolor{red}{Pgmp}} \Rightarrow \pi^\mp$
- *negative pion*
 $\text{\textcolor{red}{Pgpm}} \Rightarrow \pi^-$
- *positive pion*
 $\text{\textcolor{red}{Pgpp}} \Rightarrow \pi^+$
- *neutral pion*
 $\text{\textcolor{red}{Pgpz}} \Rightarrow \pi^0$
- $\text{\textcolor{red}{Pgpa}} \Rightarrow \pi(1300)$
- $\text{\textcolor{red}{Pgp}}\text{\textcolor{black}{i}}\text{\textcolor{black}{i}} \Rightarrow \pi_2(1670)$
- *resonance removed*
 $\text{\textcolor{red}{Pgr}} \Rightarrow \rho$
- $\text{\textcolor{red}{Pgrp}} \Rightarrow \rho^+$
- $\text{\textcolor{red}{Pgrm}} \Rightarrow \rho^-$
- $\text{\textcolor{red}{Pgrpm}} \Rightarrow \rho^\pm$
- $\text{\textcolor{red}{Pgrmp}} \Rightarrow \rho^\mp$
- $\text{\textcolor{red}{Pgrz}} \Rightarrow \rho^0$
- *new*
 $\text{\textcolor{red}{Pgri}} \Rightarrow \rho(770)$
- $\text{\textcolor{red}{Pgра}} \Rightarrow \rho(1450)$
- $\text{\textcolor{red}{Pgrb}} \Rightarrow \rho(1700)$
- $\text{\textcolor{red}{Pgri}}\text{\textcolor{black}{i}}\text{\textcolor{black}{i}} \Rightarrow \rho_3(1690)$
- $\text{\textcolor{red}{PJgy}} \Rightarrow J/\psi$
- $\text{\textcolor{red}{PJgy}}\text{\textcolor{black}{i}} \Rightarrow J/\psi(1S)$
- $\text{\textcolor{red}{Pgy}} \Rightarrow \psi$
- $\text{\textcolor{red}{Pgy}}\text{\textcolor{black}{i}}\text{\textcolor{black}{i}} \Rightarrow \psi(2S)$
- $\text{\textcolor{red}{Pgya}} \Rightarrow \psi(3770)$
- $\text{\textcolor{red}{Pgyb}} \Rightarrow \psi(4040)$
- $\text{\textcolor{red}{Pgyc}} \Rightarrow \psi(4160)$
- $\text{\textcolor{red}{Pgyd}} \Rightarrow \psi(4415)$
- $\text{\textcolor{red}{PD}} \Rightarrow D$
- $\text{\textcolor{red}{PDpm}} \Rightarrow D^\pm$
- $\text{\textcolor{red}{PDmp}} \Rightarrow D^\mp$
- $\text{\textcolor{red}{PDz}} \Rightarrow D^0$
- $\text{\textcolor{red}{PDm}} \Rightarrow D^-$
- $\text{\textcolor{red}{PDp}} \Rightarrow D^+$
- $\text{\textcolor{red}{PDst}} \Rightarrow D^*$
- $\text{\textcolor{red}{PaD}} \Rightarrow \overline{D}$
- $\text{\textcolor{red}{PaDz}} \Rightarrow \overline{D}^0$
- *new 2005-07-08*
 $\text{\textcolor{red}{PsD}} \Rightarrow D_s$
- $\text{\textcolor{red}{PsDm}} \Rightarrow D_s^-$

- $\text{\textcolor{red}{PsDp}} \Rightarrow D_s^+$
- $\text{\textcolor{red}{PsDpm}} \Rightarrow D_s^\pm$
- $\text{\textcolor{red}{PsDmp}} \Rightarrow D_s^\mp$
- $\text{\textcolor{red}{PsDst}} \Rightarrow D_s^*$
- $\text{\textcolor{red}{PsDipm}} \Rightarrow D_{s1}(2536)^\pm$
- $\text{\textcolor{red}{PsDimp}} \Rightarrow D_{s1}(2536)^\mp$
- $\text{\textcolor{red}{PDiz}} \Rightarrow D_1(2420)^0$
- $\text{\textcolor{red}{PDstiz}} \Rightarrow D_2^*(2460)^0$
- $\text{\textcolor{red}{PDstpm}} \Rightarrow D^*(2010)^\pm$
- $\text{\textcolor{red}{PDstmp}} \Rightarrow D^*(2010)^\mp$
- $\text{\textcolor{red}{PDstz}} \Rightarrow D^*(2010)^0$
- $\text{\textcolor{red}{PEz}} \Rightarrow E^0$
- $\text{\textcolor{red}{PLpm}} \Rightarrow L^\pm$
- $\text{\textcolor{red}{PLmp}} \Rightarrow L^\mp$
- $\text{\textcolor{red}{PLz}} \Rightarrow L^0$
- $\text{\textcolor{red}{Paii}} \Rightarrow a_2(1320)$
- $\text{\textcolor{red}{Pai}} \Rightarrow a_1(1260)$
- $\text{\textcolor{red}{Paz}} \Rightarrow a_0(980)$
- $\text{\textcolor{red}{Pbgcia}} \Rightarrow \chi_{b1}(2P)$
- $\text{\textcolor{red}{Pbgciia}} \Rightarrow \chi_{b2}(2P)$
- $\text{\textcolor{red}{Pbgcii}} \Rightarrow \chi_{b2}(1P)$
- $\text{\textcolor{red}{Pbgci}} \Rightarrow \chi_{b1}(1P)$
- $\text{\textcolor{red}{Pbgcza}} \Rightarrow \chi_{b0}(2P)$
- $\text{\textcolor{red}{Pbgcz}} \Rightarrow \chi_{b0}(1P)$
- $\text{\textcolor{red}{Pbi}} \Rightarrow b_1(1235)$
- $\text{\textcolor{red}{Phia}} \Rightarrow h_1(1170)$
- *Higgsino*
 $\text{\textcolor{red}{PSH}} \Rightarrow \widetilde{H}$
- *positive Higgsino*
 $\text{\textcolor{red}{PSH}p} \Rightarrow \widetilde{H}^+$
- *negative Higgsino*
 $\text{\textcolor{red}{PSH}m} \Rightarrow \widetilde{H}^-$
- *charged Higgsino*
 $\text{\textcolor{red}{PSH}pm} \Rightarrow \widetilde{H}^\pm$
- *charged Higgsino*
 $\text{\textcolor{red}{PSH}mp} \Rightarrow \widetilde{H}^\mp$
- *neutral Higgsino*
 $\text{\textcolor{red}{PSH}z} \Rightarrow \widetilde{H}^0$
- *wino*
 $\text{\textcolor{red}{PSW}} \Rightarrow \widetilde{W}$
- *positive wino*
 $\text{\textcolor{red}{PSW}p} \Rightarrow \widetilde{W}^+$
- *negative wino*
 $\text{\textcolor{red}{PSW}m} \Rightarrow \widetilde{W}^-$
- *wino pm*
 $\text{\textcolor{red}{PSW}pm} \Rightarrow \widetilde{W}^\pm$
- *wino mp*
 $\text{\textcolor{red}{PSW}mp} \Rightarrow \widetilde{W}^\mp$
- *zino*
 $\text{\textcolor{red}{PSZ}} \Rightarrow \widetilde{Z}$

- *zino*
 $\text{\textcolor{red}{PSZz}} \Rightarrow \tilde{Z}^0$
- *bino*
 $\text{\textcolor{red}{PSB}} \Rightarrow \tilde{B}$
- *selectron*
 $\text{\textcolor{red}{PSe}} \Rightarrow \tilde{e}$
- *photino*
 $\text{\textcolor{red}{PSgg}} \Rightarrow \tilde{\gamma}$
- *smuon*
 $\text{\textcolor{red}{PSgm}} \Rightarrow \tilde{\mu}$
- *sneutrino*
 $\text{\textcolor{red}{PSgn}} \Rightarrow \tilde{\nu}$
- *stau*
 $\text{\textcolor{red}{PSgt}} \Rightarrow \tilde{\tau}$
- *chargino/neutralino*
 $\text{\textcolor{red}{PSgx}} \Rightarrow \tilde{\chi}$
- *chargino pm*
 $\text{\textcolor{red}{PSgxpath}} \Rightarrow \tilde{\chi}^\pm$
- *chargino mp*
 $\text{\textcolor{red}{PSgxmp}} \Rightarrow \tilde{\chi}^\mp$
- *neutralino*
 $\text{\textcolor{red}{PSgxxz}} \Rightarrow \tilde{\chi}^0$
- *lightest neutralino*
 $\text{\textcolor{red}{PSgxxzi}} \Rightarrow \tilde{\chi}_1^0$
- *next-to-lightest neutralino*
 $\text{\textcolor{red}{PSgxxzi}} \Rightarrow \tilde{\chi}_2^0$
- *gluino*
 $\text{\textcolor{red}{PSg}} \Rightarrow \tilde{g}$
- *slepton (generic)*
 $\text{\textcolor{red}{PSl}} \Rightarrow \tilde{\ell}$
- *anti-slepton (generic)*
 $\text{\textcolor{red}{PaSl}} \Rightarrow \bar{\tilde{\ell}}$
- *squark (generic)*
 $\text{\textcolor{red}{PSq}} \Rightarrow \tilde{q}$
- *anti-squark (generic)*
 $\text{\textcolor{red}{PaSq}} \Rightarrow \bar{\tilde{q}}$
- *down squark*
 $\text{\textcolor{red}{PSqd}} \Rightarrow \tilde{d}$
- *up squark*
 $\text{\textcolor{red}{PSqu}} \Rightarrow \tilde{u}$
- *strange squark*
 $\text{\textcolor{red}{PSqs}} \Rightarrow \tilde{s}$
- *charm squark*
 $\text{\textcolor{red}{PSqc}} \Rightarrow \tilde{c}$
- *bottom squark (sbottom)*
 $\text{\textcolor{red}{PSqb}} \Rightarrow \tilde{b}$
- *top squark (stop)*
 $\text{\textcolor{red}{PSqt}} \Rightarrow \tilde{t}$
- *anti-down squark*
 $\text{\textcolor{red}{PaSqd}} \Rightarrow \bar{\tilde{d}}$
- *anti-up squark*
 $\text{\textcolor{red}{PaSqu}} \Rightarrow \bar{\tilde{u}}$
- *anti-strange squark*
 $\text{\textcolor{red}{PaSqs}} \Rightarrow \bar{\tilde{s}}$
- *anti-charm squark*
 $\text{\textcolor{red}{PaSqc}} \Rightarrow \bar{\tilde{c}}$

- *anti-bottom squark*

$\textcolor{red}{\backslash PaSqb} \Rightarrow \bar{\tilde{b}}$

- *anti-top squark (stop)*

$\textcolor{red}{\backslash PaSqt} \Rightarrow \bar{\tilde{t}}$