B-particle organization

Many measurements of B decays involve admixtures of B hadrons. Previously we arbitrarily included such admixtures in the B^\pm section, but because of their importance we have created two new sections: " B^\pm/B^0 Admixture" for $\Upsilon(4S)$ results and " $B^\pm/B^0/B_s^0/b$ -baryon Admixture" for results at higher energies. Most inclusive decay branching fractions and χ_b at high energy are found in the Admixture sections. $B^0-\overline{B}^0$ mixing data are found in the B^0 section, while $B_s^0-\overline{B}_s^0$ mixing data and $B-\overline{B}$ mixing data for a B^0/B_s^0 admixture are found in the B_s^0 section. CP-violation data are found in the B^\pm , B^0 , and B^\pm B^0 Admixture sections. b-baryons are found near the end of the Baryon section. Recently, we also created a new section: " $V_{c\,b}$ and $V_{u\,b}$ CKM Matrix Elements."

The organization of the B sections is now as follows, where bullets indicate particle sections and brackets indicate reviews.

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[Production and Decay of b-flavored Hadrons]
[A Short Note on HFLAV Activities]
• B<sup>±</sup>
     mass. mean life
     branching fractions
     polarization in B^{\pm} decay
     CP violation
\bullet B^0
     mass, mean life
     branching fractions
     [Polarization in B decay]
     polarization in B^0 decay
     [B-\overline{B}] Mixing
     B^0 - \overline{B}^0 mixing
     CP violation
• B^{\pm} B^{0} Admixture
     branching fractions, CP violation
     CP violation
• B^{\pm}/B^0/B_s^0/b-baryon Admixture
     mean life
     production fractions
     branching fractions
    \chi_h at high energy
     production fractions in hadronic Z decay
\bullet V_{c\,b} and V_{u\,b} CKM Matrix Elements
     [Determination of V_{c\,b} and V_{u\,b}]
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• B^*, B_1(5721), B_1^*(5732), B_2^*(5747), B_J(5840), B_J(5970)
                mass, width, branching fracions
           \bullet B_s^0
                mass, mean life
                branching fractions
                polarization in B_s^0 decay
                B_s^0 - \overline{B}_s^0 mixing
           \bullet \ B_s^*, \ B_{s1}(5830)^0, \ B_{s2}^*(5840)^0, \ B_{sJ}^*(5850), \ B_{sJ}(6063)^0, \ B_{sJ}(6114)^0
                mass, width, branching fractions
           \bullet B_c^{\pm}
                mass, mean life
                branching fractions
           • B_c(2S)^{\pm}
                mass, branching fractions
At the end of Baryon Listings:

    Λ<sub>b</sub>

                mass, mean life
                branching fractions
           \bullet \ \Lambda_b(5912)^0, \ \Lambda_b(5920)^0, \ \Lambda_b(6070)^0, \ \Lambda_b(6146)^0, \ \Lambda_b(6152)^0
                mass, width, branchibg fractions
           \bullet \Sigma_h
                mass, width, branching fractions
          • \Sigma_{h}^{*}, \Sigma_{h}(6097)<sup>+</sup>, \Sigma_{h}(6097)<sup>-</sup>
                mass, width, branching fractions
          \bullet \equiv_b^0, \equiv_b^-
                mass, mean life
                branching fractions, P, CP violation
           • \Xi_b'(5935)^-, \Xi_b(5945)^0, \Xi_b(5955)^-, \Xi_b(6100)^-, \Xi_b(6227)^-,
            \Xi_{h}(6227)^{0}, \Xi_{h}(6327)^{0}, \Xi_{h}(6333)^{0}
                mass, width, branching fractions
           \bullet \Omega_h^-
                mass, mean life
                branching fractions
           • \Omega_b(6316)^-, \Omega_b(6330)^-, \Omega_b(6340)^-, \Omega_b(6350)^-
                mass, width, branching fractions
           • b-baryon Admixture
                mean life
                branching fractions
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