## 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  $\chi_b$  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  $V_{II\,b}$  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_b at high energy
    production fractions in hadronic Z decay
\bullet V_{c\,b} and V_{u\,b} CKM Matrix Elements
    [Determination of V_{cb} and V_{ub}]
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    B*

                mass
           • B_1(5721)^0
                mass
           • B_J^*(5732)
                mass, width
           \bullet B_2(5747)^0
                mass
           \bullet B_s^0
                mass, mean life
                branching fractions
         B_s^0 - \overline{B}_s^0 mixing B_s^*
                polarization in B_s^0 decay
                mass
           \bullet \, B_{sJ}^*(5850)
                mass, width
                mass, mean life
                branching fractions
At the end of Baryon Listings:

    Λ<sub>b</sub>

                mass, mean life
                branching fractions
           • \Sigma_b, \Sigma_b^*
           \bullet \; \Xi_b^0, \; \Xi_b^-
                mean life
```

 $\bullet \Omega_b^-$ 

mass, mean life
branching fractions
• b-baryon Admixture
mean life

branching fractions

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