## *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: " $V_{cb}$  and  $V_{\mu b}$  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
• B<sup>0</sup>
     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^{0}_{s}/b-baryon Admixture
     mean life
     production fractions
     branching fractions
    \chi_{b} at high energy
     production fractions in hadronic Z decay
• V<sub>c b</sub> and V<sub>u b</sub> CKM Matrix Elements
     [Determination of V_{cb} and V_{ub}]
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•  $B^*$ ,  $B_1(5721)$ ,  $B^*_J(5732)$ ,  $B^*_2(5747)$ ,  $B_J(5840)$ ,  $B_J(5970)$ mass, width, branching fractions •  $B^0_s$ mass, mean life branching fractions polarization in  $B^0_s$  decay  $B^0_s - \overline{B}^0_s$  mixing •  $B^*_s$ ,  $B_{51}(5830)^0$ ,  $B^*_{52}(5840)^0$ ,  $B^*_{sJ}(5850)$ ,  $B_{sJ}(6063)^0$ ,  $B_{sJ}(6114)^0$ mass, width, branching fractions •  $B^{\pm}_c$ mass, mean life branching fractions •  $B_c(2S)^{\pm}$ mass, branching fractions

At the end of Baryon Listings:

mass, mean life branching fractions •  $\Lambda_b(5912)^0$ ,  $\Lambda_b(5920)^0$ ,  $\Lambda_b(6070)^0$ ,  $\Lambda_b(6146)^0$ ,  $\Lambda_b(6152)^0$ mass, width, branchibg fractions •  $\Sigma_h$ mass, width, branching fractions •  $\Sigma_{b}^{*}$ ,  $\Sigma_{b}(6097)^{+}$ ,  $\Sigma_{b}(6097)^{-}$ mass, width, branching fractions •  $\Xi_b^0, \Xi_b^$ mass, mean life branching fractions, P, CP violation •  $\Xi'_{b}(5935)^{-}$ ,  $\Xi_{b}(5945)^{0}$ ,  $\Xi_{b}(5955)^{-}$ ,  $\Xi_{b}(6100)^{-}$ ,  $\Xi_{b}(6227)^{-}$ ,  $\Xi_{b}(6227)^{0}, \ \Xi_{b}(6327)^{0}, \ \Xi_{b}(6333)^{0}$ mass, width, branching fractions •  $\Omega_{h}^{-}$ 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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