## 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: " $V_{C\,D}$  and  $V_{U\,D}$  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]

    B<sup>±</sup>

    CP violation
    mass, mean life
    branching fractions
• B<sup>0</sup>
    mass, mean life
    branching fractions
    polarization in B^0 decay
    [B-\overline{B}] Mixing
    B^0 - \overline{B}^0 mixing
    [CP Violation in B Decay]
    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
\bullet V_{c\,b} and V_{u\,b} CKM Matrix Elements
    [Determination of V_{Ch}]
    [Determination of V_{\mu b}]
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•  $B^*$ mass
•  $B_J^*(5732)$ mass, width
•  $B_S^0$ mass, mean life
branching fractions
polarizaton in  $B_S^0$  decay  $B_S^0 - \overline{B}_S^0 \text{ mixing}$ •  $B_S^*$ mass
•  $B_{SJ}^*(5850)$ mass, width
•  $B_C^{\pm}$ mass, mean life
branching fractions

At end of Baryon Listings:

Λ<sub>b</sub>
 mass, mean life
 branching fractions
 = <sup>0</sup><sub>b</sub>, = <sup>-</sup><sub>b</sub>
 mean life
 b-baryon Admixture
 mean life

branching fractions

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