## *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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• 
$$B^*$$
  
mass  
•  $B_1(5721)^0$   
mass  
•  $B_j^*(5732)$   
mass, width  
•  $B_2(5747)^0$   
mass  
•  $B_s^0$   
mass, mean life  
branching fractions  
polarization in  $B_s^0$  decay  
 $B_s^0 - \overline{B}_s^0$  mixing  
•  $B_s^*$   
mass  
•  $B_{s,J}^*(5850)$   
mass, width  
•  $B_c^{\pm}$   
mass, mean life  
branching fractions

At the end of Baryon Listings:

•  $\Lambda_b$ mass, mean life branching fractions

• 
$$\Sigma_b$$
,  $\Sigma_b^*$   
mass  
•  $\Xi_b^0$ ,  $\Xi_b^-$ 

mean life

•Ω\_b

mass, mean life branching fractions

*b*-baryon Admixture mean life

branching fractions

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