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.

[Production and Decay of *b*-flavored Hadrons] [A Short Note on HFAG Activities] $\bullet B^{\pm}$ mass, mean life branching fractions CP violation • B⁰ mass, mean life branching fractions 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 χ_b at high energy • 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 $B_s^0 - \overline{B}_s^0$ mixing • B_{s}^{*} mass $\bullet B^*_{sJ}(5850)$ mass, width • B_c^{\pm} mass, mean life branching fractions At end of Baryon Listings: • Λ_b mass, mean life

branching fractions • ≡⁰_b,≡⁻_b mean life • b-baryon Admixture mean life

branching fractions

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