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1 Introduction

- Brief description of HFAG (includes exp. group etc.)
- Brief methodology(philosophy) of the averaging
- URL of HFAG to refer more detail

2 Common Inputs

3 Averages of b-hadron lifetimes and B-oscillation parameters

3.1 b-hadron fractions at high energy collision

3.2 b-hadron lifetimes

3.3 Δm_d

3.4 Δm_s

3.5 $\Delta\Gamma_s/\Gamma_s$ and $\Delta\Gamma_d/\Gamma_d$

4 Averages of Semi-leptonic B-decay Parameters and $|V_{cb}|$, $|V_{ub}|$

4.1 Exclusive Charmed Semi-leptonic Decays and $|V_{cb}|$

4.2 Inclusive Charmed Semi-leptonic Branching Fraction and $|V_{cb}|$

4.3 Exclusive Charmless Semi-leptonic Decays and $|V_{ub}|$

4.4 Inclusive Charmless Semi-leptonic Branching Fraction and $|V_{ub}|$

5 Averages of Charmless B-decay Branching fractions and their Asymmetries

5.1 Hadronic charmless decays

5.2 Radiative and leptonic decays

5.3 Baryonic decays

5.4 Branching fraction CP asymmetries

6 Averages of measurements related to the Unitarity Triangle angles

6.1 TCPV in $b \rightarrow c\bar{c}s$ and $b \rightarrow s$ penguin ($\sin 2\beta$; ϕ_1)

6.2 TCPV in $b \rightarrow c\bar{c}s$ ($D^{(*)+}D^{(*)-}$, $J/\psi\pi^0$) ($\sin 2\beta_{\text{eff}}$; $\phi_{1\text{eff}}$)

6.3 TCPV in $b \rightarrow d\bar{d}s$ ($K_S^0\pi^0$) ($\sin 2\beta_{\text{eff}}$; $\phi_{1\text{eff}}$)