

Physics Programme



2014

5 fb⁻¹ 2013

Probability density

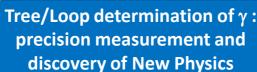
B→hh under U-spin,

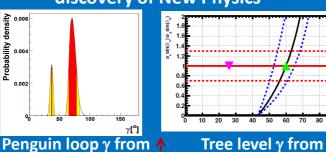
10 fb⁻¹

3 fb⁻¹ 2012

1 fb⁻¹ 2011

0.2 fb⁻¹ 2010

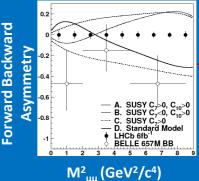




Tree level y from S→Dh under U-spin, 10 fb⁻¹

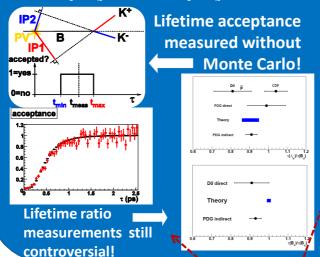
LONG TERM GOALS

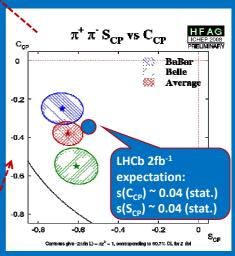
B \rightarrow K*μμ: precision measurements of FBA, sensitivity to Wilson coefficients



MEDIUM TERM GOALS

Precision lifetime measurements Sort out BaBar/Belle disagreement in B/B_s/ $\Lambda_b \rightarrow hh$, B/B_s/ $\Lambda_b \rightarrow Dh$ on CP asymmetry in B $\rightarrow \pi\pi$

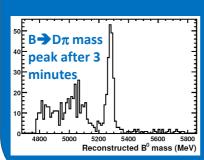


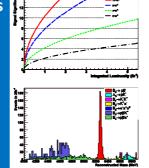


EARLY MEASUREMENTS

B→K*μμ: pass B-factory Huge D meson yields: Discovery of B→pp statistics after 2 months

- **CP** violation
- Lifetime measurements





2σ region

- Common fitting package
- Common systematic studies
- Two-body expertise
- RICH/VELO critical