

Abstract Submitted
for the APR06 Meeting of
The American Physical Society

Measurements of the Exclusive Decays of the $\Upsilon(5S)$ to $B^{(*)}\bar{B}^{(*)}(\pi)(\pi)$ Final States and Improved B_s^* Mass Measurement KEVIN ZHANG, Syracuse University, CLEO COLLABORATION — From 420 pb⁻¹ of data collected on the $\Upsilon(5S)$ resonance using the CLEO III detector, we measure production fractions of $B^{(*)}\bar{B}^{(*)}(\pi)(\pi)$ final states and find that $B^*\bar{B}^* : B\bar{B}^* : B\bar{B}$ are produced with a ratio of about 3 : 1 : < 1, consistent with predictions of the Unitarized Quark Model. Limits on the production of other final states will also be presented. Our results are also use to extract the most precise B_s^* mass value to date.

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Date submitted: 10 Jan 2006

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