

Abstract Submitted
for the APR11 Meeting of
The American Physical Society

Determination of HQET Low Energy Constants in D and B Meson Decays BRIAN BUNTON, Coastal Carolina University — We examine the low energy constants in heavy quark effective theories to different orders in power counting as relate to the decays of positive- and negative-parity heavy mesons. We consider strong decays to order Q^2 and Q^3 separately, as well as electromagnetic decays to the same orders. Parameters otherwise suppressed by the charm quark mass are included. Decay widths are compared to experimental data using Bayesian inference techniques to determine the low energy constants.

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Date submitted: 14 Jan 2011

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