

Determining the Efficacy of different parameterizations of the z-expansion

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We present a method of examining the efficacy of different formulations of the z-expansion in semileptonic B decays. We examine three different parameterizations of the z-expansion, the BGL, BCL and a recent Padé expansion. Our method involves fitting these parameterizations to the large momentum transfer data ($q^2 > 17 \text{ GeV}^2$) and seeing how well these parameterizations predict the low momentum transfer region ($q^2 < 17 \text{ GeV}^2$). This comparison is done using determining χ^2 values for the non-fitted region using the parameters found for the fitted region.

Primary authors: Mr GUSTAFSON, Erik (University of Iowa); MEURICE, Yannick (U. of Iowa)

Presenter: Mr GUSTAFSON, Erik (University of Iowa)

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