

Abstract Submitted
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Measurement of the form factors in $D \rightarrow K/\pi e^+ \nu_e$ BO XIN, Purdue University, CLEO COLLABORATION — Using a sample of 1.8 million $D\bar{D}$ mesons collected at the $\psi(3770)$ with the CLEO-c detector, we measure absolute branching fractions as a function of q^2 , the invariant mass of the $e^+ \nu_e$ pair, for $D^0 \rightarrow K^- e^+ \nu_e$, $D^0 \rightarrow \pi^- e^+ \nu_e$, $D^+ \rightarrow K_S^0 e^+ \nu_e$ and $D^+ \rightarrow \pi^0 e^+ \nu_e$. We measure the absolute magnitudes of the form factors $f_K^+(0)$ and $f_\pi^+(0)$. Using unquenched Lattice QCD calculations of the form factor magnitudes we extract the CKM matrix elements V_{cs} and V_{cd} .

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