

Abstract Submitted
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Absolute Hadronic D Branching Ratios and $\psi(3770)$ to $D\bar{D}$ Cross Sections PETER ONYISI, Cornell University, CLEO COLLABORATION — We report on a measurement of the branching fractions of three all-hadronic decay modes of the D^0 and six of the D^+ , including the modes $D^0 \rightarrow K^-\pi^+$ and $D^+ \rightarrow K^-\pi^+\pi^+$, using 60 pb^{-1} of data from the CLEO-c detector. We exploit the pair production of D mesons in decays of the $\psi(3770)$ resonance to obtain the branching fractions without reference to the luminosity of the sample. When combined with the luminosity, we obtain a measurement of the production cross-section of $D\bar{D}$ pairs in e^+e^- collisions at 3.77 GeV center of mass energy.

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