Results from Fermilab charm experiment E791

Milind Purohit

South Carolina University
E791 Collaboration

May 16, 1998

Abstract

Recent results from Fermilab experiment E791 are summarized. Topics to be covered include form factors in the semileptonic decay $D^+ \to \overline{K}^{*0} l\nu$, charm particle production distributions, the production of pairs of charm particles, asymmetries in charm particle production, mixing and CP violation in charm decays, resonant analysis of charm meson and charm baryon decays and the lifetime of the D_s^+.