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CP Violation in charm decays at CDF

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Exploiting the full Run II data sample collected by the CDF trigger on displaced vertices, we present a search for CP violation in neutral D decays to hadronic final states. We use the strong D*->D0pi+ decay to identify the flavor of the charmed meson at production time and exploit CP-conserving strong c-cbar pair-production in p-pbar collisions. The results are the world's most precise measurements to date and confirm the presence of sizable CP-violating effects in the charm sector as recently observed by the LHCb collaboration.

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