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Direct measurements of the parity violation parameter A_c at SLD

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We present direct measurements of the parity violation parameter A_c derived from the left-right forward-backward asymmetry of c quarks from Z^0 decays. These analyses exploit many of the unique features of the SLD/SLC program, including the highly polarized electron beam, the small beam spot and high-resolution CCD vertex detector, and the Cherenkov Ring Imaging Detector (CRID) which provides particle identification. The methods employed to select charm events and determine the c quark direction include exclusive reconstruction of D mesons along with semi-inclusive selection of $D^{*\pm} \to D^0\pi_s$, where the slow π_s provides the quark-antiquark discrimination. A third analysis uses leptons from semileptonic D decays, where the leptons are selected using a combination of calorimetric and CRID information and the vertex detector is used for charm-bottom discrimination. The fourth method uses an inclusive charm tag based on the mass of topologically reconstructed vertices. The quark direction is determined using the vertex charge and/or the sign of any attached tracks identified as $K^\pm$ by the CRID. Both the tagging purity and the analyzing power are calibrated from the data in this analysis. All four of these methods have been applied to the complete 1993-98 dataset of 550k Z^0 decays. The combined preliminary SLD result yields the most precise determination of A_c at $\sim$4% precision.