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Measurement of R_c at SLD

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We present a preliminary measurement of $R_c = \Gamma_{Z^0 \to c\bar{c}} / \Gamma_{Z^0 \to hadrons}$ using a self calibrating double tag method. The c selection is based on topological reconstruction of the mass of the D-decay vertex. The measurement was performed using the full SLD dataset of 550k hadronic Z^0 events collected in 1993-1998, using the SLD CCD pixel vertex detectors. We obtain a high c tagging efficiency at a purity of 70%. This measurement is the most precise determination of R_c in the world.