

# Spin Correlations of Top Quarks at D0

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We present results of a measurement of the ratio of events with correlated top quark spins to the total number of top quark events. The measurement is using  $9.7 \text{ fb}^{-1}$  of data collected with the D0 detector at the Tevatron proton-antiproton collider. The fraction of events with top spin correlation is measured by employing a Matrix Element method providing increased sensitivity. Results are compared to the SM prediction.

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