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Measurement of the top quark charge and branching fractions at D0
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— We report on a measurement of the ratio $R = B(t \rightarrow Wb)/B(t \rightarrow Wq)$. In the standard model this ratio exceeds 0.998 at the 95% confidence level. Experimentally, we measure the ratio based on the fraction of candidate events with 0, 1, or 2 b-tagged jets. We also report on a measurement of the charge of the top quark by resolving the kinematic ambiguity between the standard model scenario of a charge $2/3$ quark decaying to W^+b and an exotic scenario of a charge $-4/3$ quark decaying to W^-b .

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