

Abstract Submitted
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Search for non-standard production of single top quarks at D0
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TION — The large mass of the top quark, close to the electroweak symmetry-
breaking scale, makes it a good candidate for probing physics beyond the Standard
Model. Single top quarks may be produced in the decay of a new heavy gauge boson
 W' and we present limits on the production cross section and the mass of such a
 W' assuming standard model like couplings. We also search for single top produc-
tions through flavor changing neutral currents involving gluon, Z boson, or photon
exchange.

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