

# $t'$ (4<sup>th</sup> Generation) Quark, Searches for

## MASS LIMITS for $t'$ (4<sup>th</sup> Generation) Quark or Hadron in $p\bar{p}$ Collisions

VALUE (GeV)	CL%	DOCUMENT ID	TECN	COMMENT
>256	95	<sup>1</sup> AALTONEN	08H CDF	$p\bar{p}$ at 1.96 GeV

<sup>1</sup>Searches for pair production of a new heavy top-like quark  $t'$  decaying to a  $W$  boson and another quark by fitting the observed spectrum of total transverse energy and reconstructed  $t'$  mass in the lepton + jets events.

## REFERENCES FOR Searches for (Fourth Generation) $t'$ Quark

AALTONEN 08H PRL 100 161803 T. Aaltonene *et al.* (CDF Collab.)