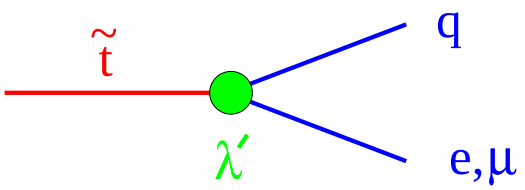
R-parity violating scalar top decays

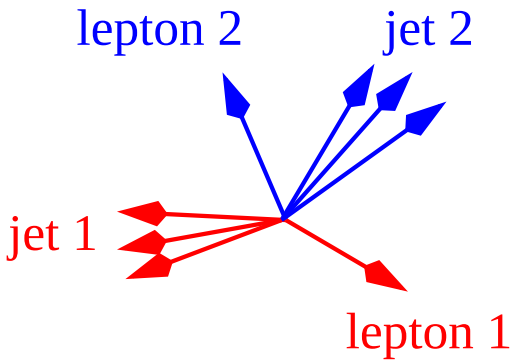
R-Parity violating superpotential:

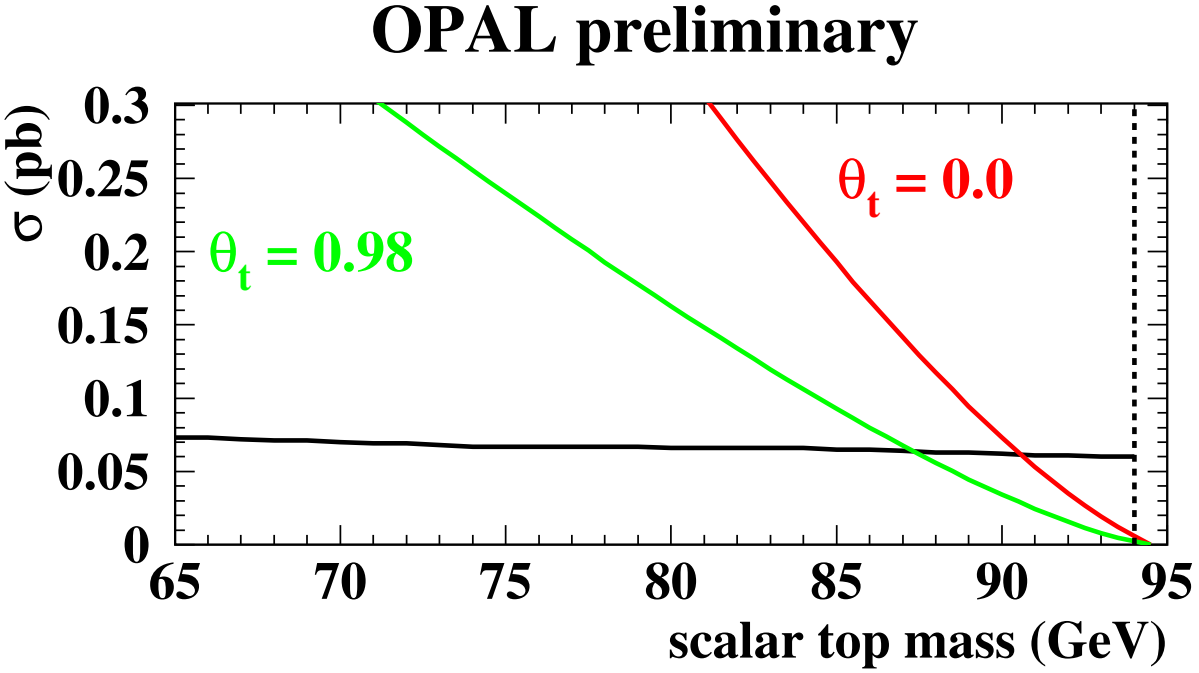
$$W = \lambda_{ijk} L_L^i L_L^j \overline{E}_R^k + \lambda'_{ijk} L_L^i Q_L^j \overline{D}_R^k + \lambda''_{ijk} \overline{U}_R^i \overline{D}_R^j \overline{D}_R^k$$

direct R-parity violating decay



final state





LIMIT	$\theta_{\tilde{t}} = 0$ rad	$\theta_{\tilde{t}} = 0.98$ rad
$\tilde{t}_1 \to e, \mu +$ q	90.5 GeV	87.0 GeV