

$$\tilde{\tau}_1 \rightarrow \tilde{\chi}_1^\pm b, \tilde{\chi}_1^\pm \rightarrow ff' \tilde{\chi}_1^0$$

$$(m_{\tilde{\tau}_1}, m_{\tilde{\chi}_1^0}) [\text{GeV}]$$

Selection	(500, 420)	(500, 490)
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common to all SRs

$\sigma \times 35.9 \text{ fb}^{-1}$	18590	18590
$p_T^{\text{miss}} > 200 \text{ GeV} \ \&$		
$p_T(\text{ISR}) > 100 \text{ GeV} \ \&$		
$H_T > 300 \text{ GeV}$	$2348.2 \pm 9.29$	$1967.82 \pm 8.12$
$\Delta\phi(j1, j2) < 2.5$	$1938.59 \pm 8.43$	$1793.43 \pm 7.78$
$N(\text{hard jet}) \leq 2$	$1160.91 \pm 6.68$	$1358.26 \pm 6.93$
$N(\tau) = 0$	$1101.53 \pm 6.51$	$1342.5 \pm 6.89$
$N(\ell) \geq 1$	$293.09 \pm 3.32$	$124.9 \pm 2.06$
$N(\ell \text{ with } p_T > 20) \leq 2$	$286.81 \pm 3.28$	$124.9 \pm 2.06$
$p_T(\ell) < 30 \text{ GeV}$	$221.1 \pm 2.87$	$124.31 \pm 2.05$

common to SR1s

$N(\text{b-jet}) = 0$	$113.46 \pm 1.68$	$110.67 \pm 1.87$
$C_{T1} > 300 \text{ GeV}$	$60.56 \pm 1.21$	$66.67 \pm 1.44$
$ \eta(\ell)  < 1.5$	$51.06 \pm 1.11$	$61.25 \pm 1.39$
SR1aX	$5.73 \pm 0.38$	$10.45 \pm 0.57$
SR1aY	$3.79 \pm 0.3$	$13.33 \pm 0.65$
SR1bX	$3.77 \pm 0.3$	$2.67 \pm 0.29$
SR1bY	$2.18 \pm 0.23$	$2.59 \pm 0.29$
SR1cX	$11.04 \pm 0.52$	$1.1 \pm 0.18$
SR1cY	$8.76 \pm 0.45$	$1.88 \pm 0.24$

common to SR2s

$N(\text{soft b-jet}) = 1 \ \& \ N(\text{hard b-jet}) = 0$	$81.27 \pm 1.34$	$5.4 \pm 0.26$
$C_{T2} > 300 \text{ GeV}$	$36.1 \pm 0.9$	$2.67 \pm 0.19$
SR2aX	$8.13 \pm 0.43$	$0.79 \pm 0.1$
SR2aY	$4.93 \pm 0.33$	$1.1 \pm 0.12$
SR2bX	$5.64 \pm 0.36$	$0.28 \pm 0.07$
SR2bY	$3.22 \pm 0.27$	$0.21 \pm 0.05$
SR2cX	$7.81 \pm 0.42$	$0.06 \pm 0.03$
SR2cY	$6.38 \pm 0.38$	$0.22 \pm 0.06$