

CDF Run II Preliminary, $929 pb^{-1}$

Lepton + Photon + E_T + b Events, $H_T > 200 GeV$

Standard Model Source	$e\gamma b E_T$	$\mu\gamma b E_T$	$(e + \mu)\gamma b E_T$
$t\bar{t}\gamma$ (semileptonic)	0.94 ± 0.10	0.68 ± 0.077	1.62 ± 0.18
$t\bar{t}\gamma$ (dileptonic)	0.53 ± 0.056	0.41 ± 0.045	0.94 ± 0.099
$W^\pm c\gamma$	0.030 ± 0.017	0.026 ± 0.015	0.056 ± 0.024
$W^\pm cc\gamma$	0.023 ± 0.013	0.027 ± 0.013	0.050 ± 0.019
$W^\pm bb\gamma$	0.090 ± 0.023	0.064 ± 0.018	0.15 ± 0.031
WZ	0.014 ± 0.010	0.0 ± 0.0075	0.014 ± 0.012
$\tau \rightarrow \gamma$ fake	0.05 ± 0.02	0.03 ± 0.01	0.08 ± 0.02
$ee E_T b, e \rightarrow \gamma$	0.68 ± 0.15	—	0.68 ± 0.15
$\mu e E_T b, e \rightarrow \gamma$	—	0.19 ± 0.06	0.19 ± 0.06
Jet faking γ ($ej E_T b, j \rightarrow \gamma$)	0.21 ± 0.14	0.12 ± 0.081	0.33 ± 0.22
MisTags	0.95 ± 0.26	0.69 ± 0.21	1.64 ± 0.35
QCD(Jets faking ℓ and E_T)	1.25 ± 0.76	0.0 ± 0.50	1.25 ± 0.90
Total SM Prediction	$4.9 \pm 0.8(tot)$	$2.3 \pm 0.6(tot)$	$7.2 \pm 1.0(tot)$
Observed in Data	6	4	10