

Number of Events

$\mu\mu, \geq 2 \text{ jets}, \geq 1 \text{ btag}, \geq 1 \gamma$

$\sqrt{s}=8 \text{ TeV}, \text{ Ldt}=19.7 \text{ fb}^{-1}$

**CMS Preliminary**

2012 data

$t\bar{t}+\gamma$

$t\bar{t}$

Single Top

Z+Jets

WW/ZZ/WZ

W+Jets

QCD

$10^2$

10

1

-5

0

5

10

15

20

( $\rho$ -corr) SCFR I<sub>Ch.had</sub>

