

Shift / final std.dev.

**ATLAS Internal**

$\sqrt{s} = 13 \text{ TeV}, 140.07 \text{ fb}^{-1}$

$R_\phi$

Unconverted  $\gamma$

$30.00 \leq p_T^\gamma [\text{GeV}] < 50.00$



RZ, Total unc., TUNE26



RZ, Stat unc., TUNE26



SP, Total unc., TUNE26



SP, Stat unc., TUNE26

0.5

0

-0.5

-1

-1

3

2

1

1

1

1

1

1

1

1

1

1

0

0.2

0.4

0.6

0.8

1

1.2

1.4

1.6

1.8

2

2.2

$m^\gamma$

Stretch