

Relative Uncertainty

ATLAS Work in progress

Direct Balance, $Z(\mu\mu)+\text{jet}$

$\sqrt{s}=13\text{ TeV}$, 139 fb^{-1}

anti- k_t $R=1.0$

CS+SK UFO Soft Drop

$|\eta^{\text{lead jet}}| < 0.8$

—●— Total Uncertainty

—●— Statistical

—●— MC Modelling

—●— Small-R Jet Veto

—●— Pile-up (JVT)

—●— μ E-resolution MS

—●— μ E-resolution ID

—●— μ E-scale

—●— $\Delta\phi$

—●— μ E-scale res. & comb.

