

Efficiency

**ATLAS Preliminary**

$\sqrt{s}=13$  TeV  $\int Ldt = 522$  pb<sup>-1</sup>

$Z \rightarrow \mu\mu, 1.05 < |\eta^\mu| < 2.4$

1

0.5

0

- L1 MU15
- HLT mu20\_loose or mu50
- ▲ HLT mu20\_loose or mu50  
with respect to L1

offline muon  $p_T$  [GeV]

100

80

60

40

20

0