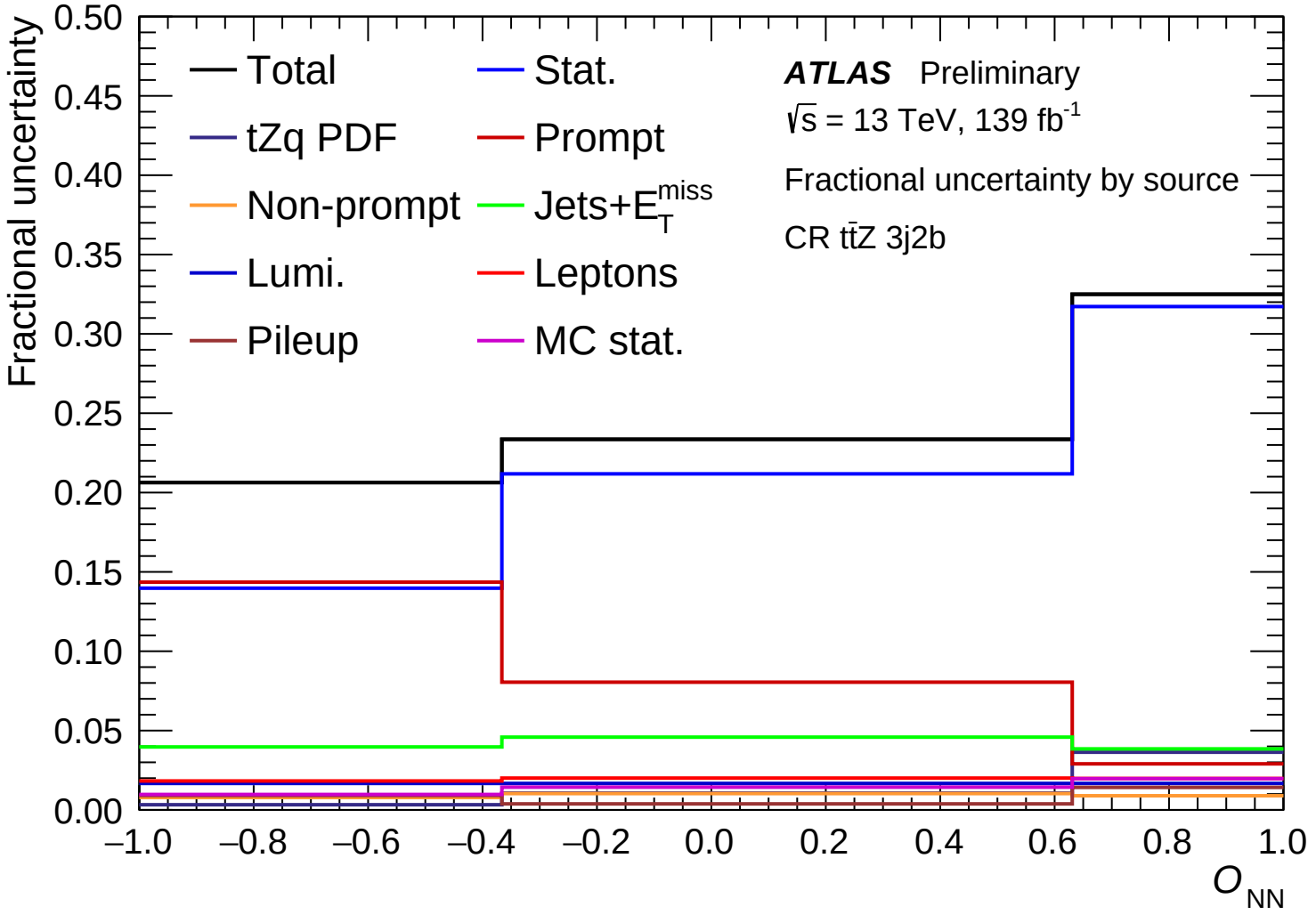

Fractional uncertainty
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Total
tZq PDF
Non-prompt
Lumi.
Pileup
Stat.
Prompt
Jets+E$_T^{miss}$
Leptons
MC stat.
ATLAS Preliminary
√s = 13 TeV, 139 fb^{-1}
Fractional uncertainty by source
CR tt̄Z 3j2b
–1.0
–0.8
–0.6
–0.4
–0.2
0.0
0.2
0.4
0.6
0.8
1.0
O$_{NN}$