

# ATLAS Simulation Internal

$\sqrt{s} = 14$  TeV, HL-LHC

$t\bar{t}$ ,  $\langle\mu\rangle = 200$

ITk Layout: 03-00-00

ACTS v43.0.1, Athena 25.0.40

- Non-ACTS, Mean  $\pm$  RMS
- ACTS-based, Mean  $\pm$  RMS

Average Execution Time [A.U.]

2.00  
1.75  
1.50  
1.25  
1.00  
0.75  
0.50  
0.25  
0.00

Number of Strip Clusters

$\times 10^5$

