

# **ATLAS** Simulation Internal

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

$t\bar{t}$ ,  $\langle\mu\rangle = 200$ , Truth  $p_T > 1$  GeV

ITk Layout: 03-00-00

ACTS v43.0.1, Athena 25.0.40

- Non-ACTS
- ACTS-based
- ACTS-based, Fast

$\sigma(d_0)$  [ $\mu\text{m}$ ]

