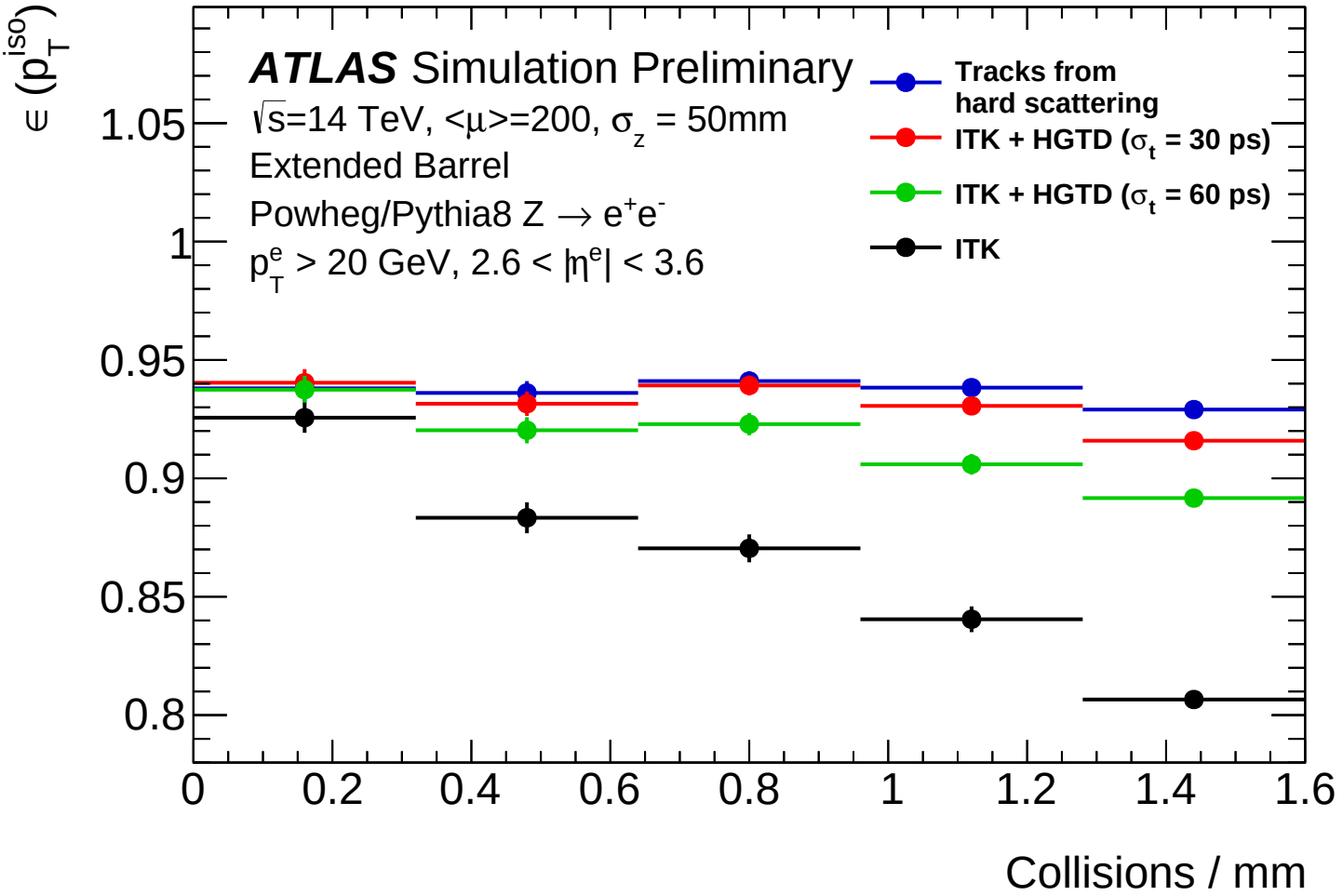
ATLAS Simulation Preliminary
√s=14 TeV, <μ>=200, σz = 50mm
Extended Barrel
Powheg/Pythia8 Z → e+e-
pTe > 20 GeV, 2.6 < |ηe| < 3.6
Tracks from hard scattering
ITK + HGTD (σt = 30 ps)
ITK + HGTD (σt = 60 ps)
ITK
ε (pTiso)
1.05
1
0.95
0.9
0.85
0.8
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
Collisions / mm