Number of Topoclusters post SK Fraction of Events ATLAS Simulation Internal HL-LHC $\langle \mu \rangle = 200$ 0.06 Minimum Bias 0.05 0.04 --- Calo_422 0.03 — Calo_420 — Calo_Cal 0.02 0.01 50 100 150 200 250 300 350 400 **Number of Topoclusters**