## **Number of Topoclusters** Fraction of Events ATLAS Simulation Internal 0.045 HL-LHC $\langle \mu \rangle = 200$ Minimum Bias 0.04 $E_{T}^{TC} > 0.0$ 0.035 0.03 --- Calo\_422 0.025 — Calo\_420 0.02 0.015 0.01 0.005 200 400 600 800 1000 1800 2000 1200 1400 1600

**Number of Topoclusters**