Average number of topoclusters as function of η post SK Number of topoclusters/# events **ATLAS** Simulation Internal HL-LHC $\langle \mu \rangle = 200$ 20 Minimum Bias > 1.0 18 Calo 422 16 Calo 420 14 12 10 6

-4.2875-3.675-3.0625 -2.45 -1.8375-1.225-0.6125

0.6125 1.225 1.8375 2.45 3.0625 3.675 4.2875