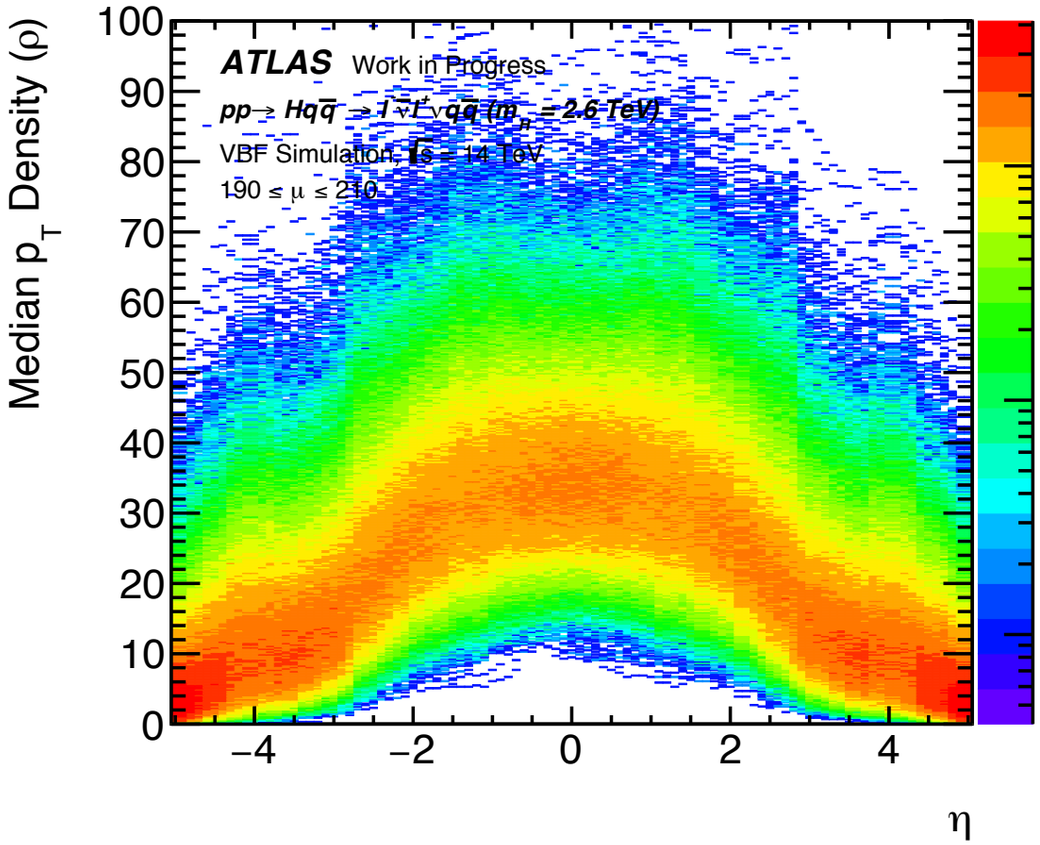

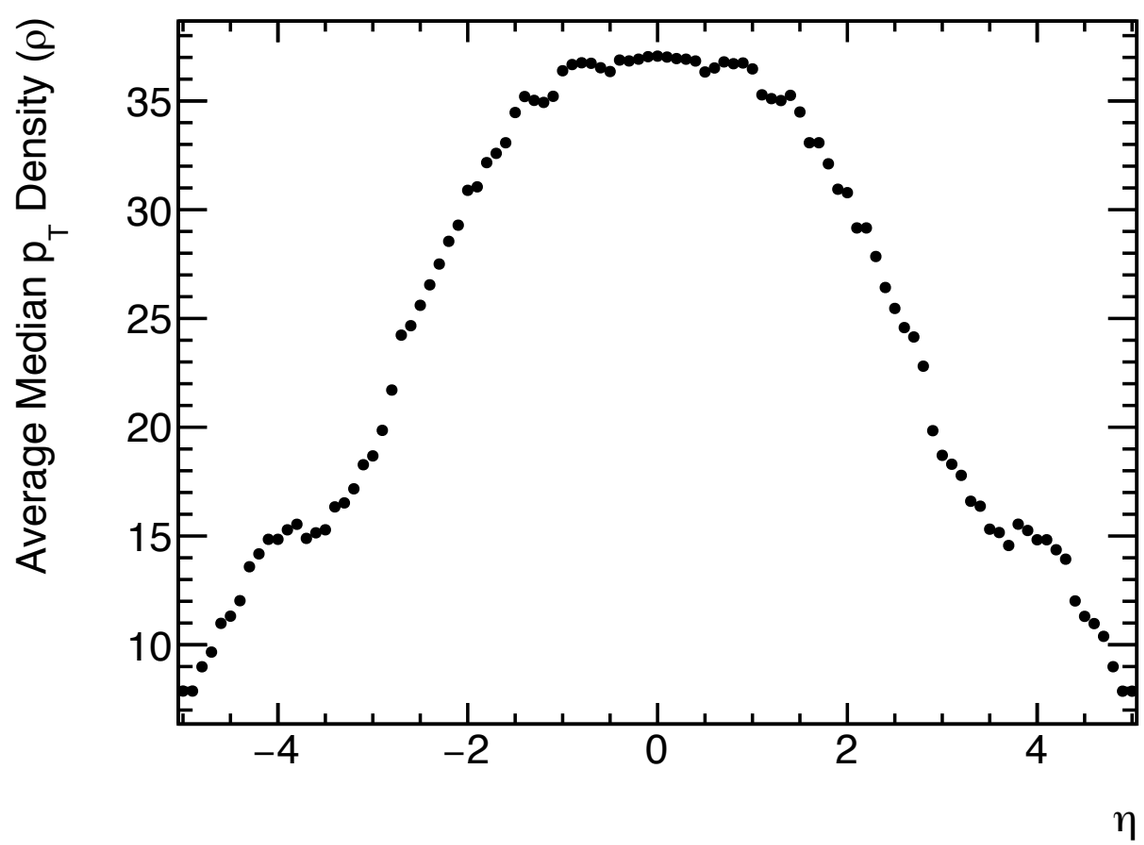

Plots above show the results of the 'SlidingWindow' approach to compute the p_T density (**ρ**) as a function of η. The input is **cell towers** (as opposed to LC Topo clusters).

Left: 2D histo filled with the median **ρ** value for each **η** bin including all E>0 cell towers within the window. The areas of the clusters are based on the Voronoi definition.

Right: TProfile taken of the left-hand plot to show mean values as a function of η.

- Simulated VBF Higgs (m_H = 2600 GeV) events
- μ ~ 200
- **FCal** geometry (r7769 w/ fixed noise)
- Total N_{evts} = 20k

NOTE: Cell towers are at the EM scale. Next step is to apply area-based correction to jets using these event-dependent **ρ** values directly (based on η of the jet) and compare pileup rejection.