

**ATLAS Internal Simulation**  
 $\sqrt{s} = 13 \text{ TeV}, t\bar{t}$

Variables (Y-axis):

- nSCTHits
- nPixHits
- dSCT hits
- pixel hits
- pixel hits
- hit IBL hits
- d IBL hits
- IBL hits
- PIX1 hits
- $\log \Delta R$
- $\log p_T^{\text{frac}}$
- $S_{z0}$
- $S_{d0}$

Correlation Scale (X-axis): 1 to 12

