

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

Heatmap showing the correlation between various input variables (Y-axis) and a set of 12 variables (X-axis, labeled 1 to 12). The color scale ranges from dark green (low correlation) to dark red (high correlation).

Y-axis variables (from top to bottom):

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

X-axis labels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

$$\sqrt{s} = 13 \text{ TeV}, t\bar{t}$$
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0.10

0.05

0.00

-0.05

-0.10

-0.15