

AlphaT Trigger Turn on

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375 – 475 GeV

PF			
nJet	$HT250 \otimes a_T 0.55$	$HT300 \otimes a_T 0.53$	$HT350 \otimes a_T 0.52$
$\leq 3j$	$0.895^{+0.019}_{-0.021}$	$0.762^{+0.026}_{-0.028}$	$0.492^{+0.032}_{-0.032}$
$\geq 4j$	$0.945^{+0.016}_{-0.019}$	$0.812^{+0.028}_{-0.031}$	$0.481^{+0.038}_{-0.037}$

Calo			
nJet	$HT250 \otimes a_T 0.55$	$HT300 \otimes a_T 0.53$	$HT350 \otimes a_T 0.52$
$\leq 3j$	$0.968^{+0.004}_{-0.005}$	$0.992^{+0.002}_{-0.002}$	$0.994^{+0.002}_{-0.002}$
$\geq 4j$	$0.951^{+0.010}_{-0.011}$	$0.993^{+0.003}_{-0.005}$	$0.987^{+0.005}_{-0.006}$

475 – 575 GeV

PF				
nJet	$HT250 \otimes a_T 0.55$	$HT300 \otimes a_T 0.53$	$HT350 \otimes a_T 0.52$	$HT400 \otimes a_T 0.51$
$\leq 3j$	$0.889^{+0.035}_{-0.042}$	$0.931^{+0.027}_{-0.036}$	$0.889^{+0.035}_{-0.042}$	$0.611^{+0.058}_{-0.060}$
$\geq 4j$	$0.961^{+0.017}_{-0.023}$	$0.980^{+0.011}_{-0.018}$	$0.931^{+0.023}_{-0.029}$	$0.794^{+0.039}_{-0.043}$

Calo				
nJet	$HT250 \otimes a_T 0.55$	$HT300 \otimes a_T 0.53$	$HT350 \otimes a_T 0.52$	$HT400 \otimes a_T 0.51$
$\leq 3j$	$0.983^{+0.005}_{-0.007}$	$0.996^{+0.002}_{-0.004}$	$0.998^{+0.002}_{-0.003}$	$0.998^{+0.002}_{-0.003}$
$\geq 4j$	$0.971^{+0.009}_{-0.012}$	$1.000^{+0.000}_{-0.004}$	$0.996^{+0.003}_{-0.006}$	$1.000^{+0.000}_{-0.004}$

575 – 675 GeV

PF			
nJet	$HT300 \otimes a_T 0.53$	$HT350 \otimes a_T 0.52$	$HT400 \otimes a_T 0.51$
$\leq 3j$	$0.909^{+0.054}_{-0.086}$	$0.955^{+0.035}_{-0.073}$	$0.909^{+0.053}_{-0.083}$
$\geq 4j$	$0.971^{+0.022}_{-0.047}$	$0.971^{+0.022}_{-0.047}$	$0.912^{+0.043}_{-0.062}$

Calo			
nJet	$HT300 \otimes a_T 0.53$	$HT350 \otimes a_T 0.52$	$HT400 \otimes a_T 0.51$
$\leq 3j$	$0.985^{+0.008}_{-0.014}$	$0.985^{+0.008}_{-0.014}$	$0.985^{+0.008}_{-0.014}$
$\geq 4j$	$0.992^{+0.006}_{-0.012}$	$1.000^{+0.000}_{-0.009}$	$1.000^{+0.000}_{-0.009}$

PF					
nJet	675 – 775	775 – 875	875 – 975	975 – 1075	1075 < HT
≤ 3	$1.000^{+0.000}_{-0.129}$	$1.000^{+0.000}_{-0.241}$	$1.000^{+0.000}_{-0.642}$		
≥ 4	$1.000^{+0.000}_{-0.102}$	$1.000^{+0.000}_{-0.237}$	$1.000^{+0.000}_{-0.336}$	$1.000^{+0.000}_{-0.470}$	$1.000^{+0.000}_{-0.642}$

Calo					
nJet	675 – 775	775 – 875	875 – 975	975 – 1075	1075 < HT
≤ 3	$1.000^{+0.000}_{-0.129}$	$1.000^{+0.000}_{-0.241}$	$1.000^{+0.000}_{-0.642}$		
≥ 4	$1.000^{+0.000}_{-0.102}$	$1.000^{+0.000}_{-0.237}$	$1.000^{+0.000}_{-0.336}$	$1.000^{+0.000}_{-0.470}$	$1.000^{+0.000}_{-0.642}$