

JEWEL+PYTHIA 2.76 TeV

Grid Jet, BKG-SUB ($\Delta\eta, \Delta\phi = 0.08$)

pp

PbPb 0-20%

--- Phys Vars (auc = 0.18)

— auc = 0.25

--- Jet Image (auc = 0.18)

— auc = 0.26

--- TD: T3 (auc = 0.17)

— auc = 0.25

Phys Vars & TD w/ MultiLayer Perceptron

Jet Images w/ Convolutional Neural Network

γ + Jet Events, anti- k_t R=0.4 Jets

$$p_T^Y > 100 \text{ [GeV/c]}$$
$$p_T^{\text{jet}} > 50 \text{ [GeV/c]}$$
$$|\eta|^{\gamma, jet} < 1.5$$
$$\Delta\phi_{\gamma,jet} > 2\pi/3$$
