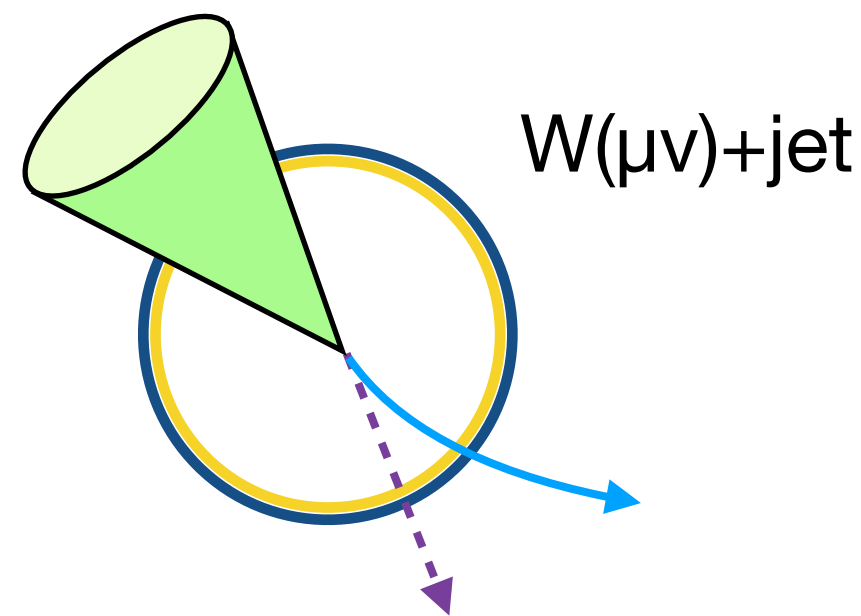


Training GNN on data sample
(subset of data? y^* cut?)

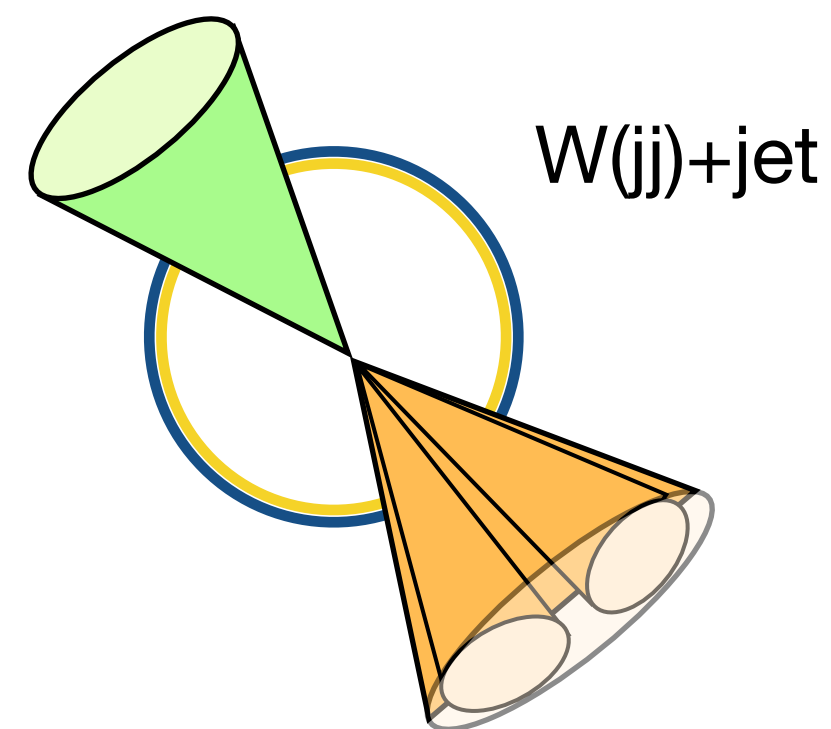
1-prong

Data/MC of GNN score on
 $W(\mu\nu)+\text{jet}$ control region



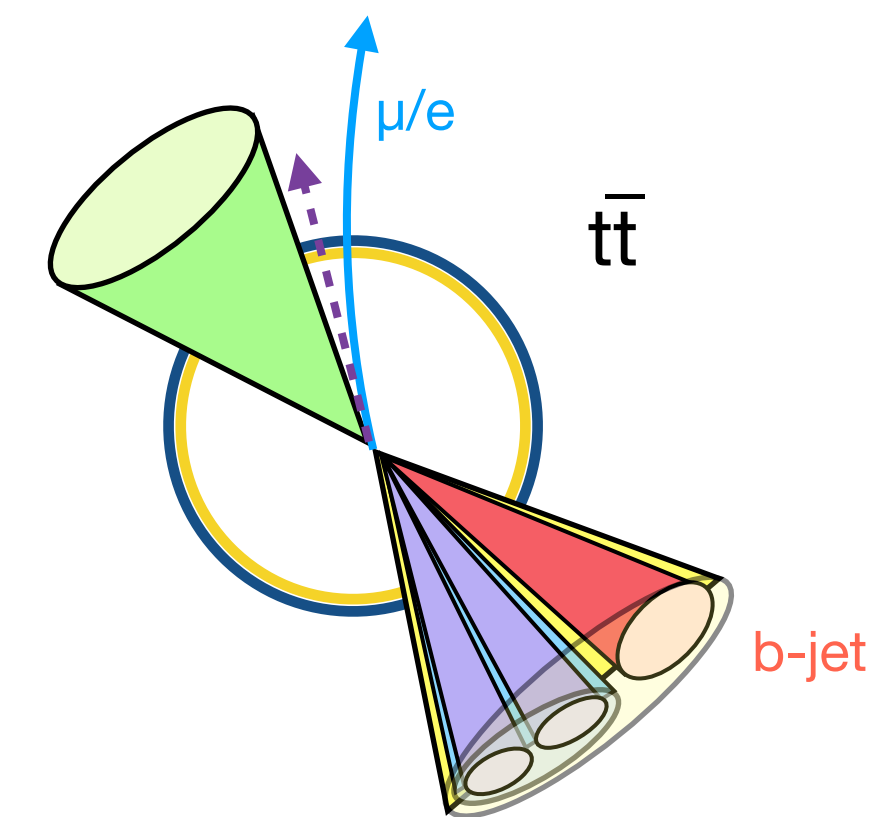
2-prong

Data/MC of GNN score on
 $W(\text{had})+\text{jet}$ control region:
 $m_j \sim m_W$ cut



3-prong

Data/MC of GNN score on $t\bar{t}$ semi-leptonic control region:
 $n_{b\text{jet}} > 1$, $n_{\mu/e} = 1$, $m_j \sim m_t$



non-closure uncertainty to cover eventual mismodelling on our 1-,2-,3-prong SM candles