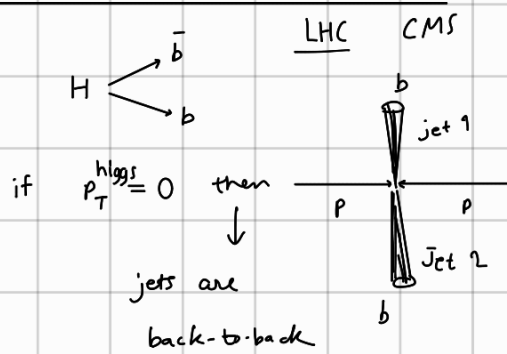
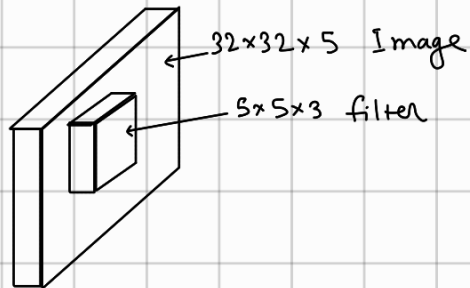


Machine Learning in Particle Physics

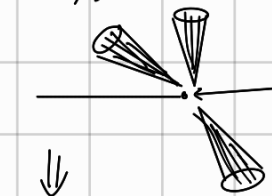
Convolutional Neural Network (CNN):

Computer Vision

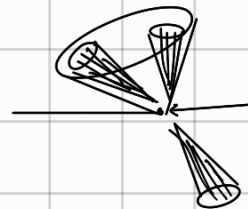
Semantic Gap

Convolution layer \rightarrow filter must have same depth.

if $p_T^{higgs} > 200 \text{ GeV}$
close-by jets



\Downarrow
we can cluster them as



fat jet
 \downarrow
has substructures