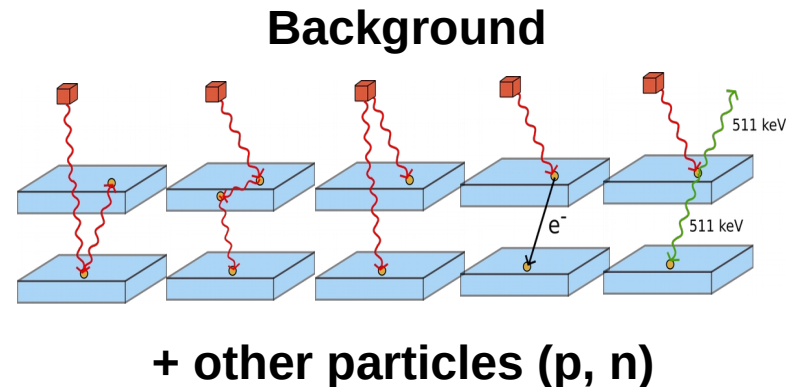
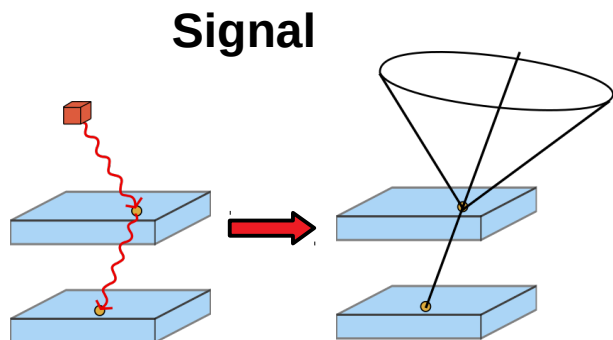


Signal/Background classification in Compton camera data



- Fully connected neural networks studied for event classification
- Training data from realistic simulations of a proton beam (GEANT4)
- E1, E2 as input for NN → binary classification (signal/background)

	Total	True signal	Percentage of signal
Initial Set	609869	46561	7.63
NN selected	378601	39128	10.33

Relative increase of 35 % in ratio of signal

NN probability surfaces

