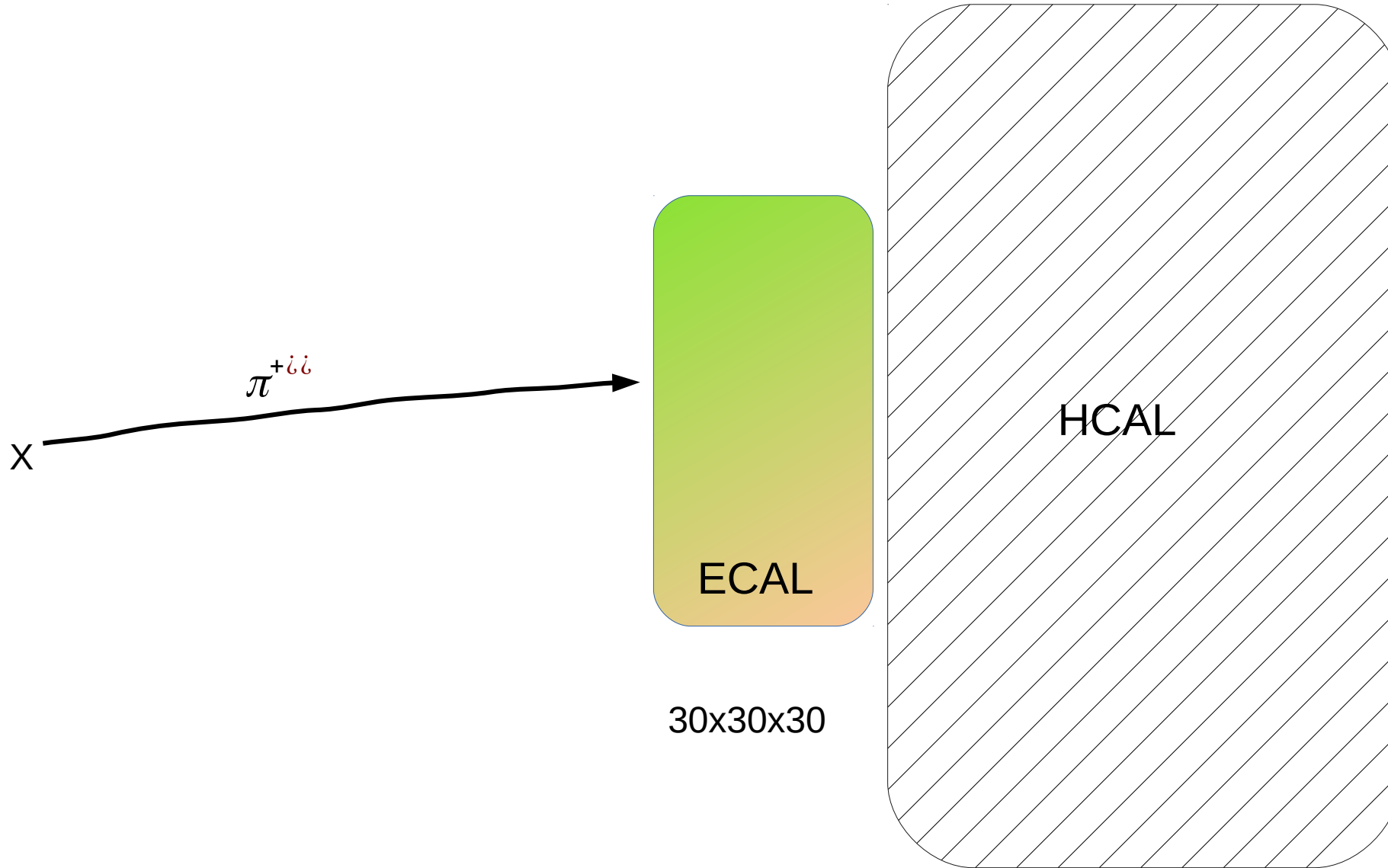


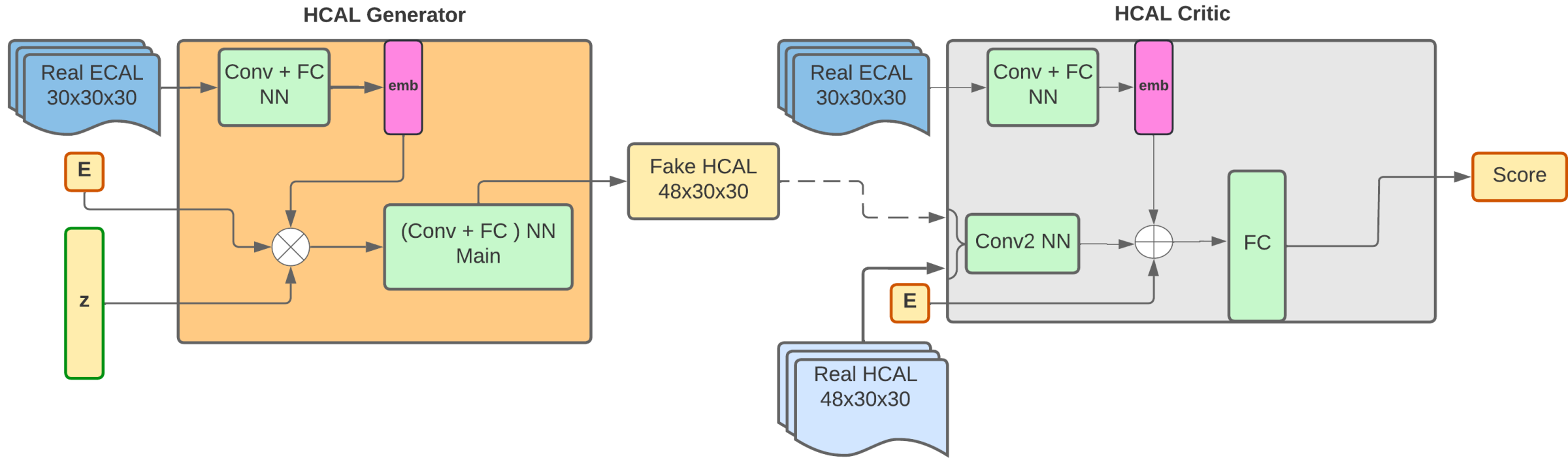
Pion showers in the ECAL + HCAL system



Combined dataset is ready with 3 single point energies (40, 50 and 60 GeV)

Pion showers in the ECAL + HCAL system

During the training:



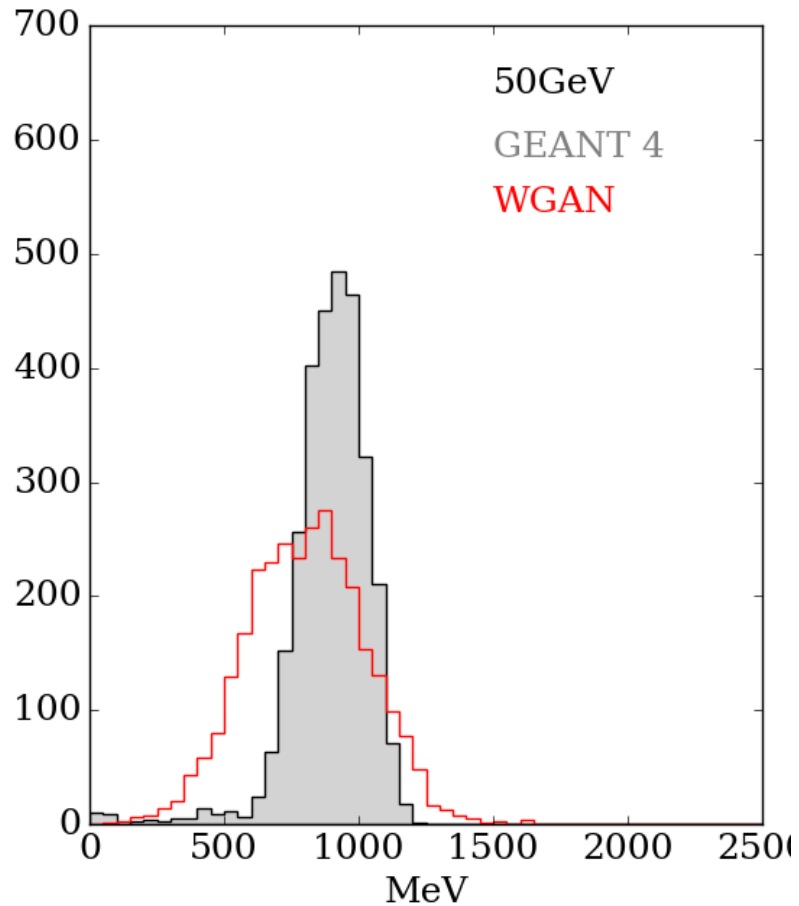
During the total inference:

$$G_{ECAL}(z, E) + G_{HCAL}[G_{ECAL}(z, E), z, E]$$

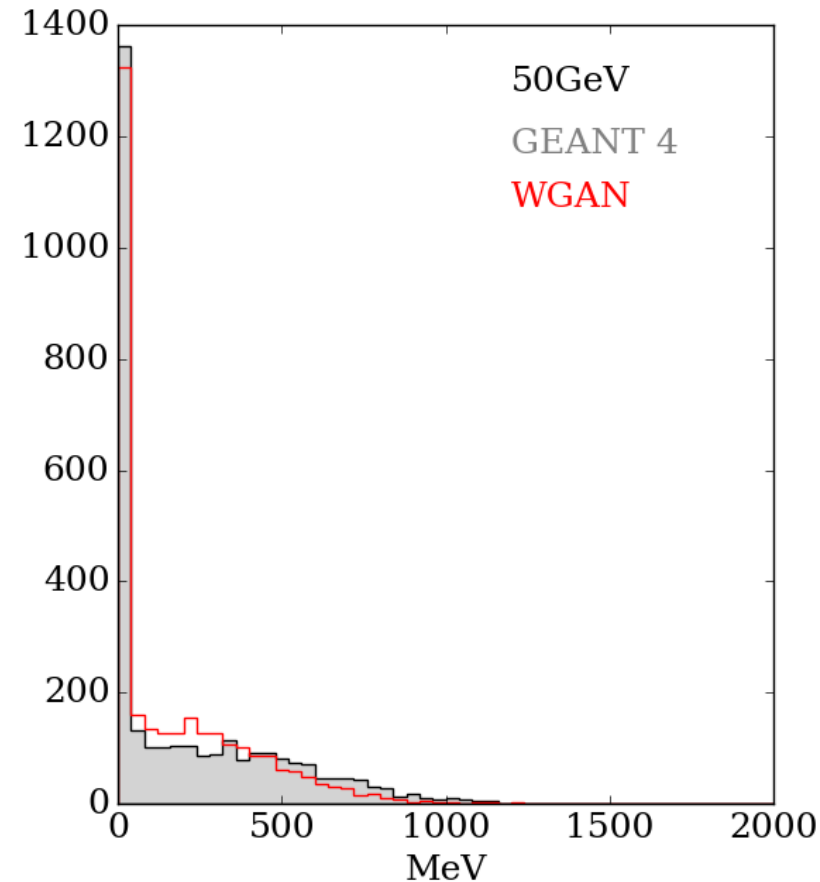
Pion showers in the ECAL + HCAL system

Some preliminary results with current best epoch
Cell energies > 0.25 MeV

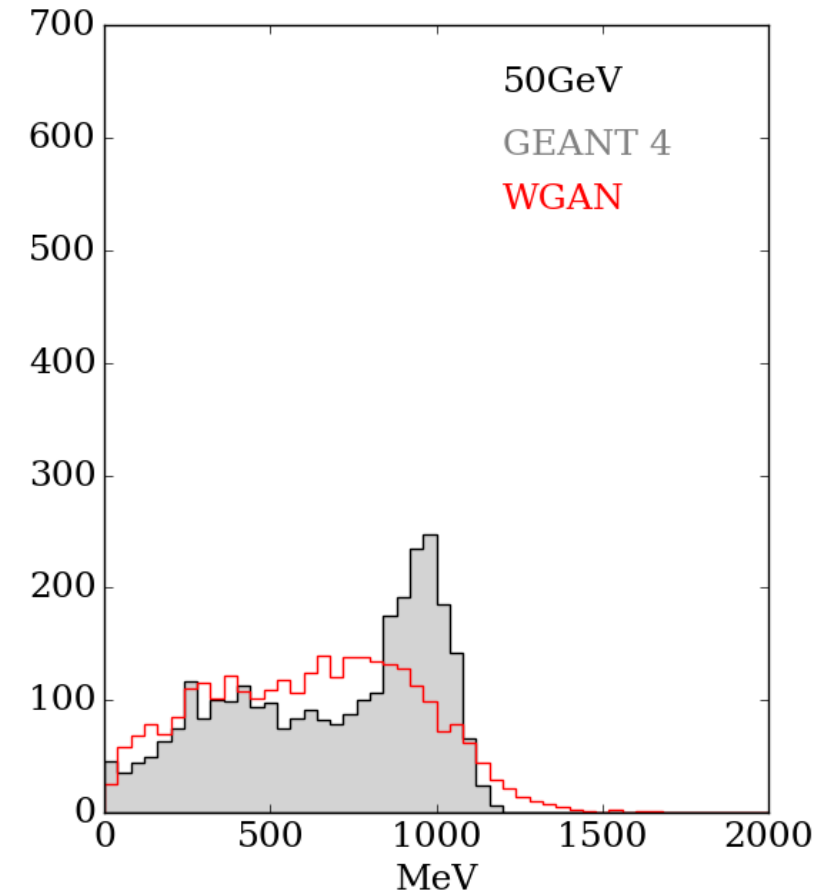
Total Energy Sum



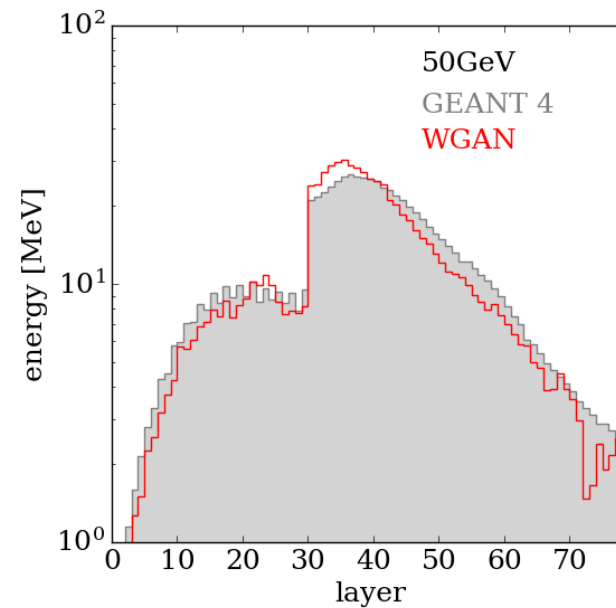
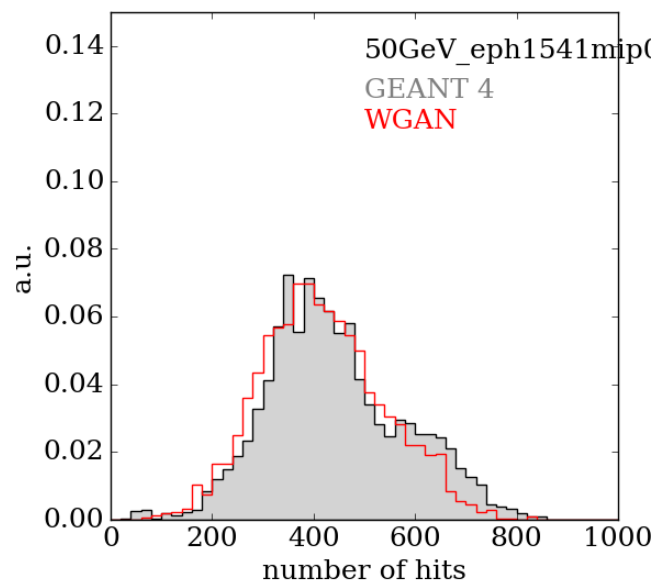
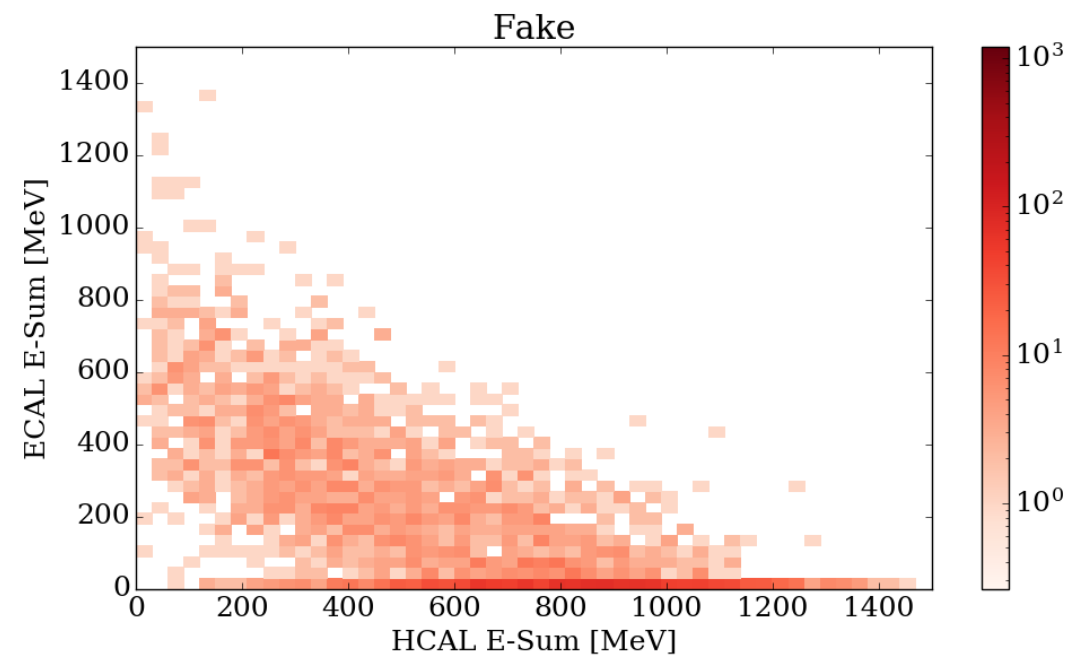
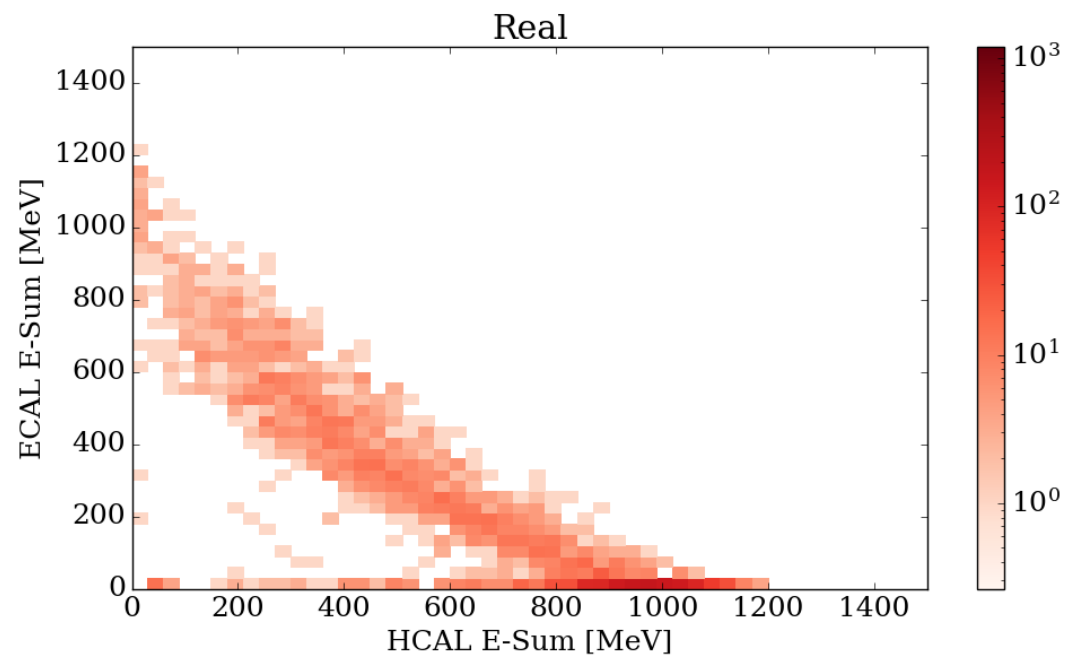
ECAL



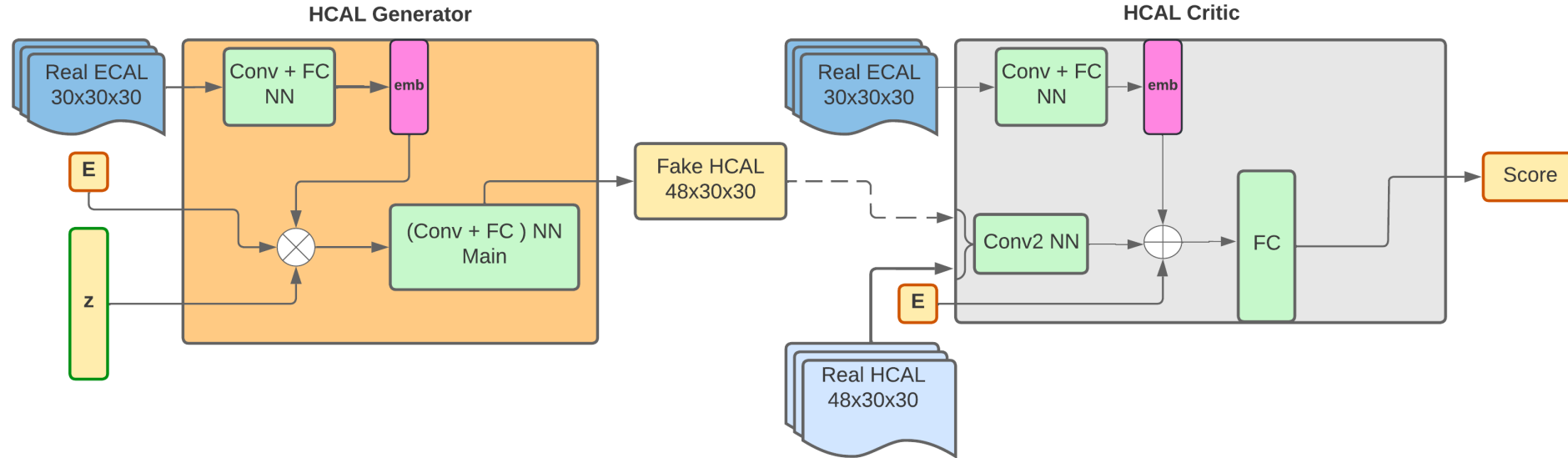
HCAL



Pion showers in the ECAL + HCAL system



Pion showers in the ECAL + HCAL system



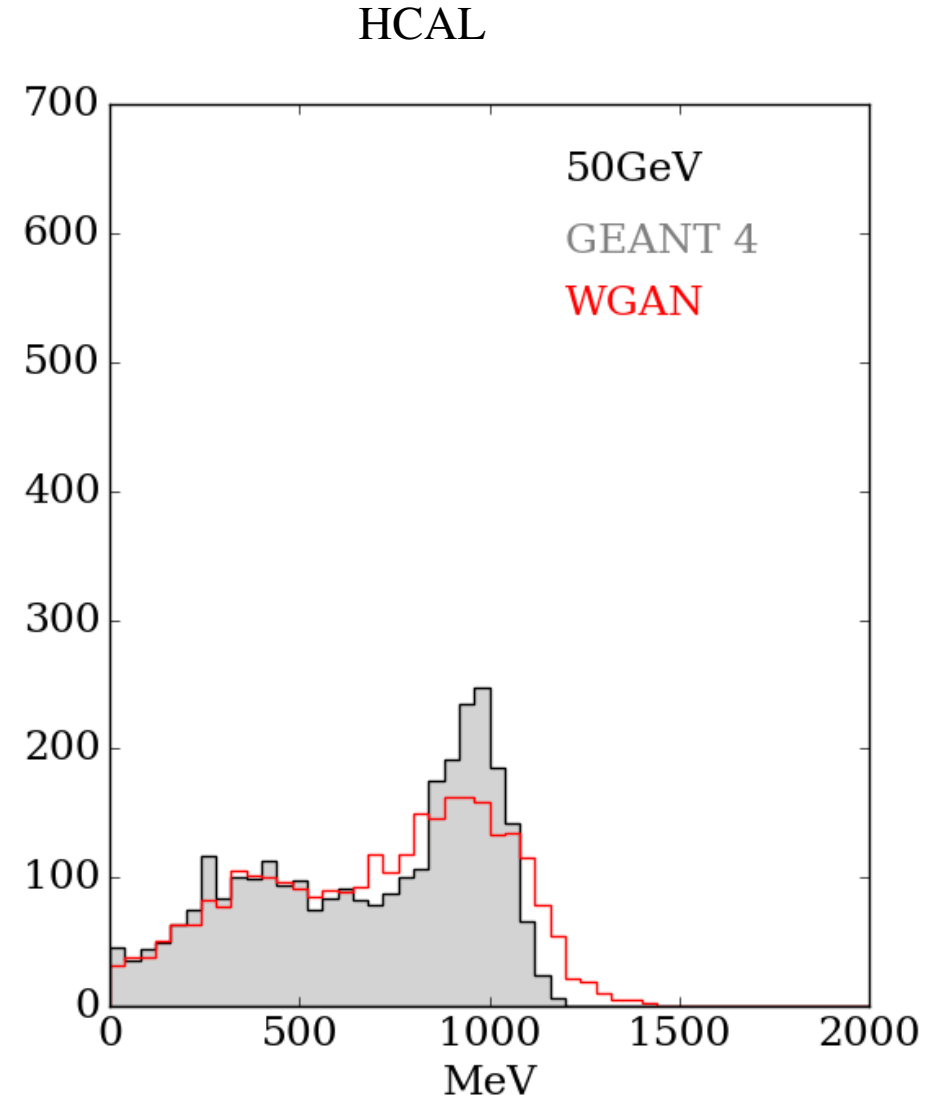
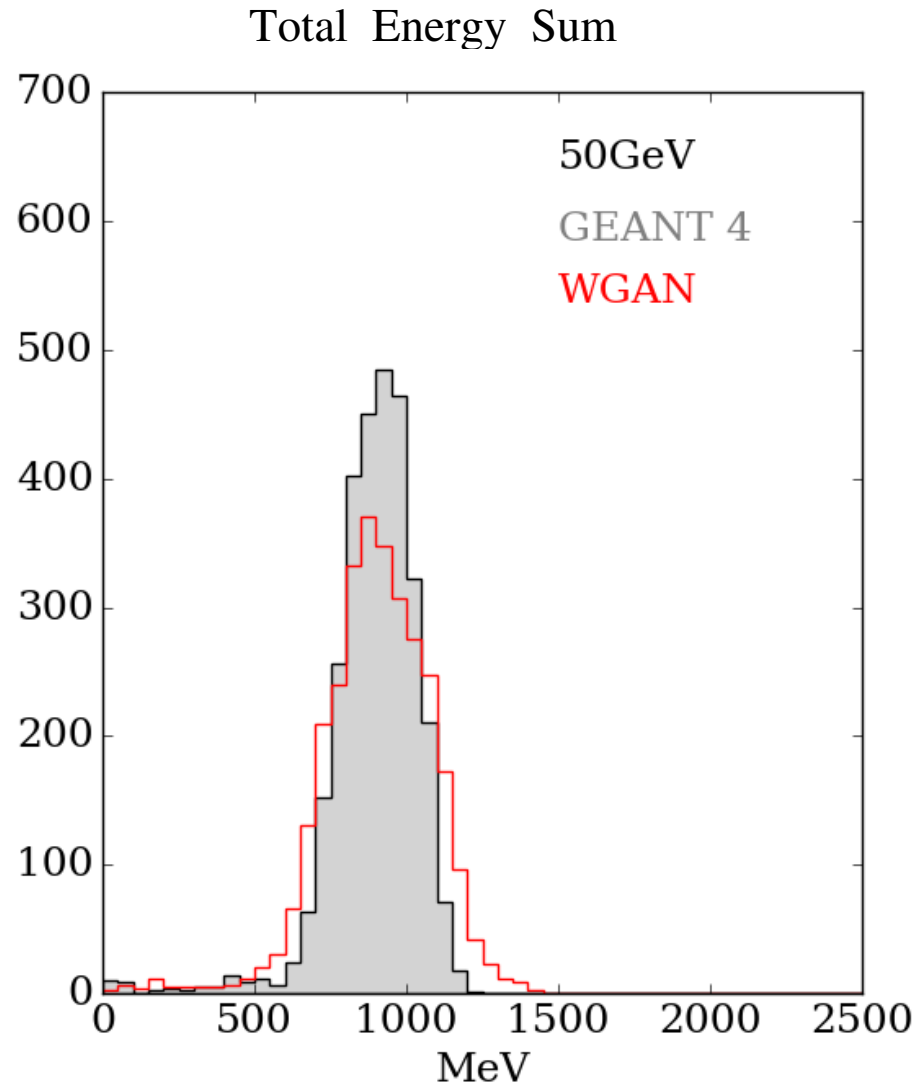
What if we do during the **inference**:

$$\cancel{G_{ECAL}(z, E)} + G_{HCAL}[\cancel{G_{ECAL}(z, E)}, z, E]$$

Real ECAL Real ECAL

Pion showers in the ECAL + HCAL system

Some preliminary results. Real ECAL data shower fed into fake HCAL generator
Cell energies > 0.25 MeV



Pion showers in the ECAL + HCAL system

