

## Particle Physics Neural Network

The goal of this work is to create a simple toy model to determine lighter particles from heavier particles in jet data. A neural network will be used to determine particles from simulated data, using leading order QCD, radiation of an exponential distribution vs a Gaussian distribution will be the classification factor, lighter particles and heavier particles respectively.

NOTE: I am still working on the details for this project, and it will potentially do a lot more.