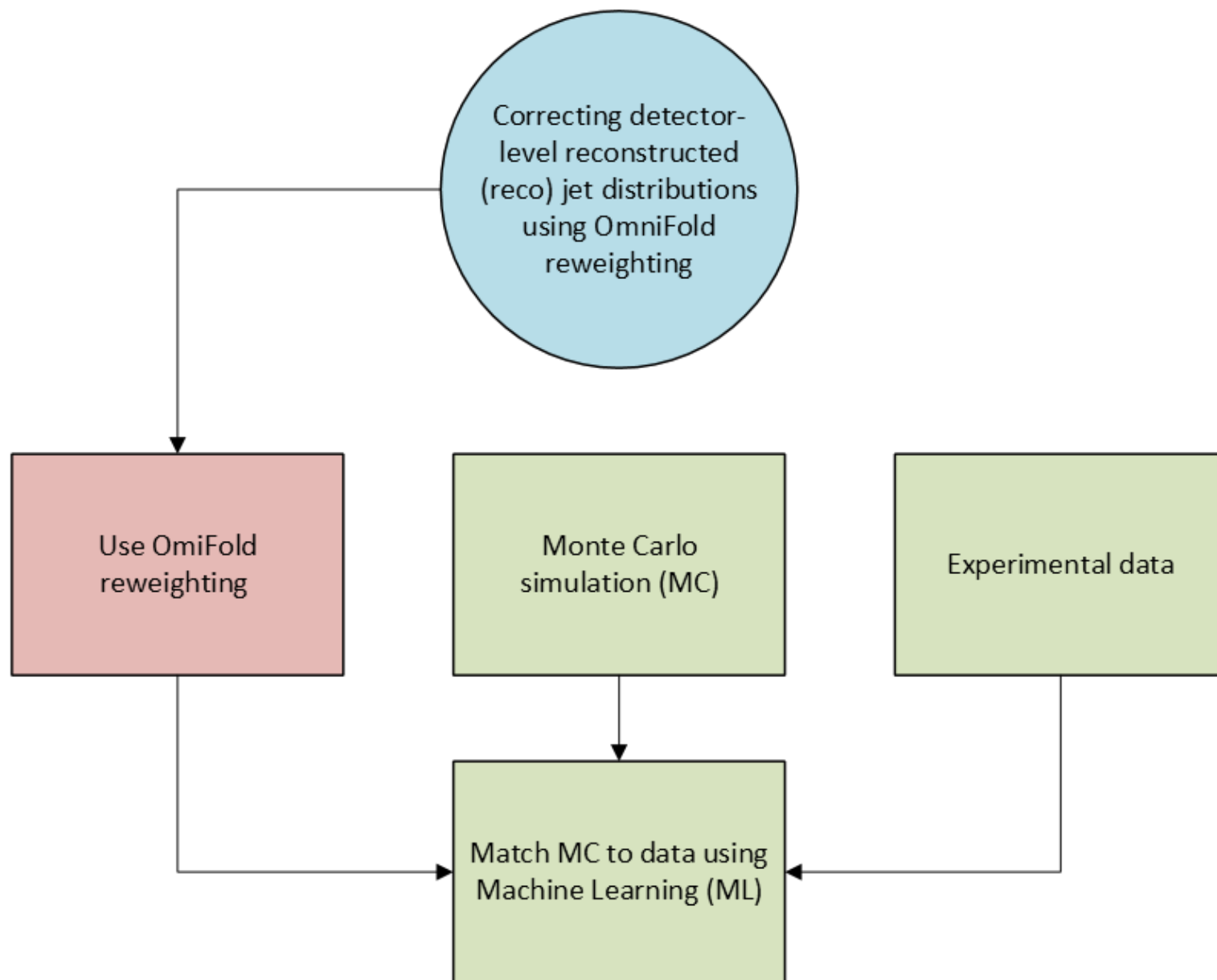


Mehdi Muzaffari

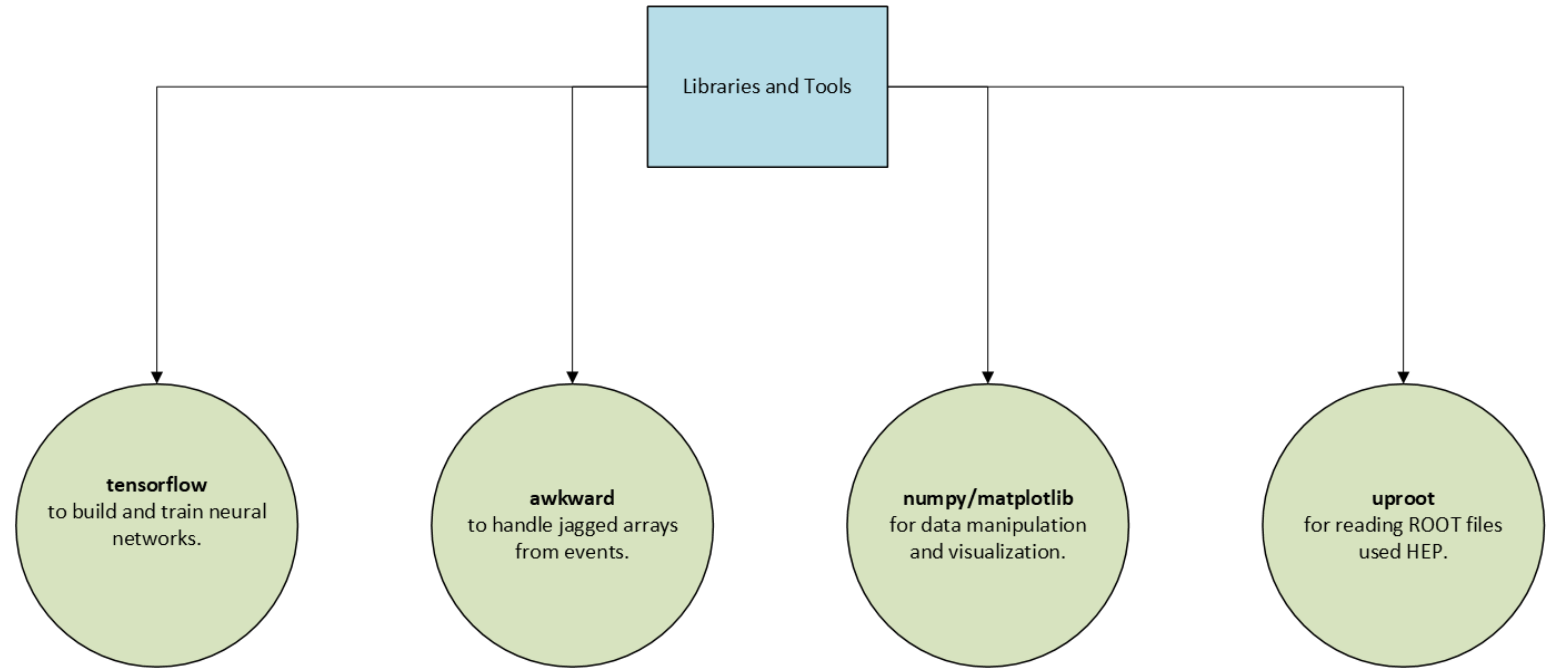
*Unfolding Truth from Data:
Machine Learning with OmniFold*

High Energy Physics Research

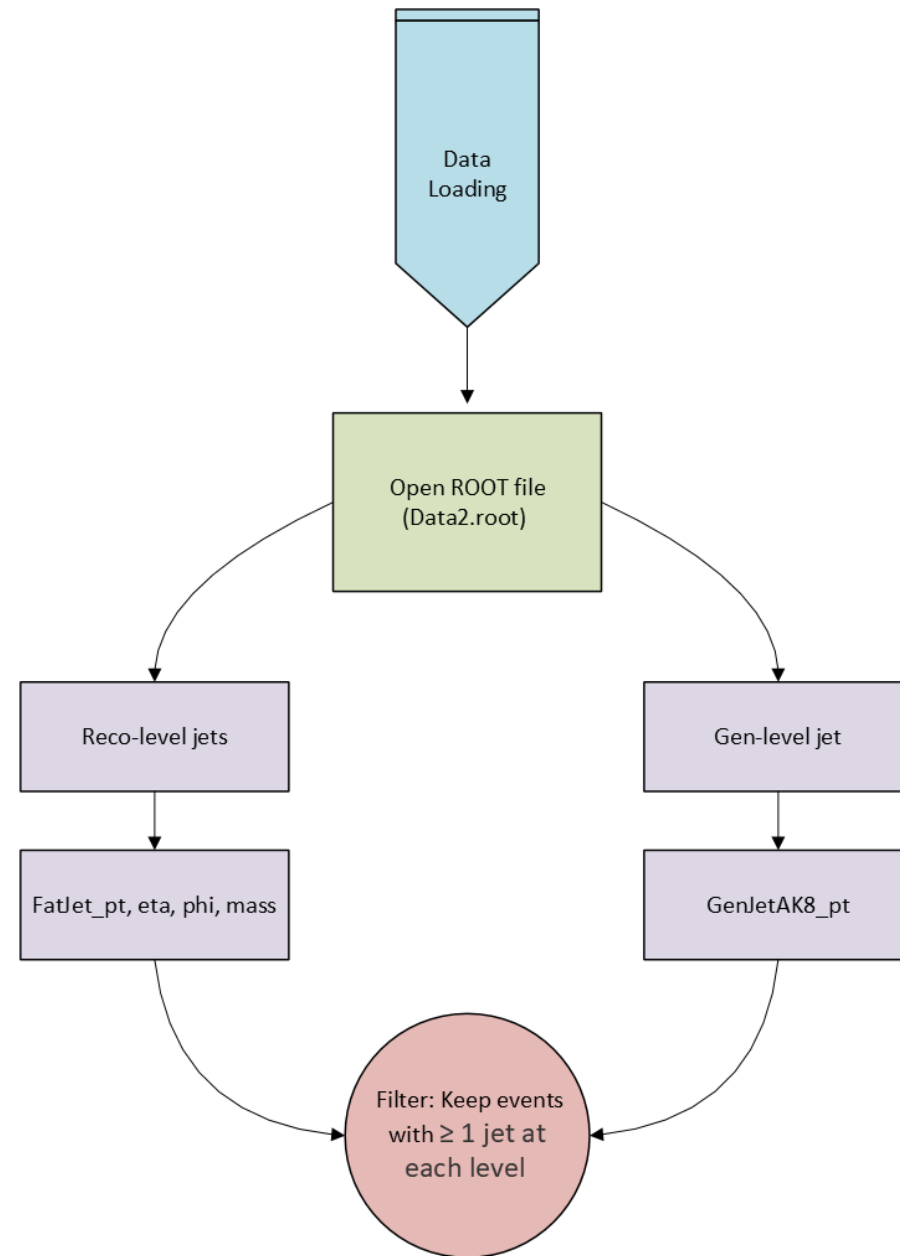
Overview



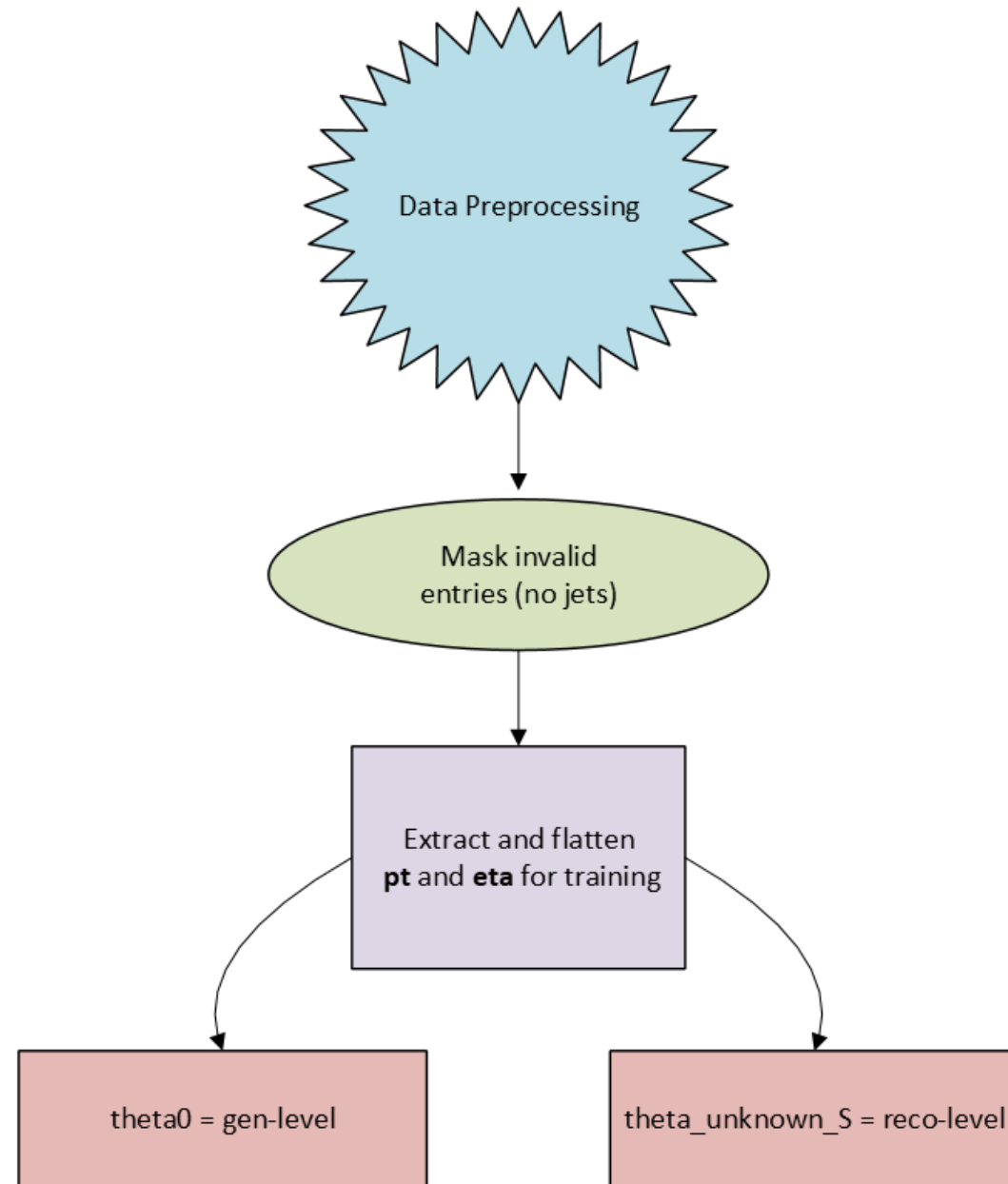
Libraries and Tools



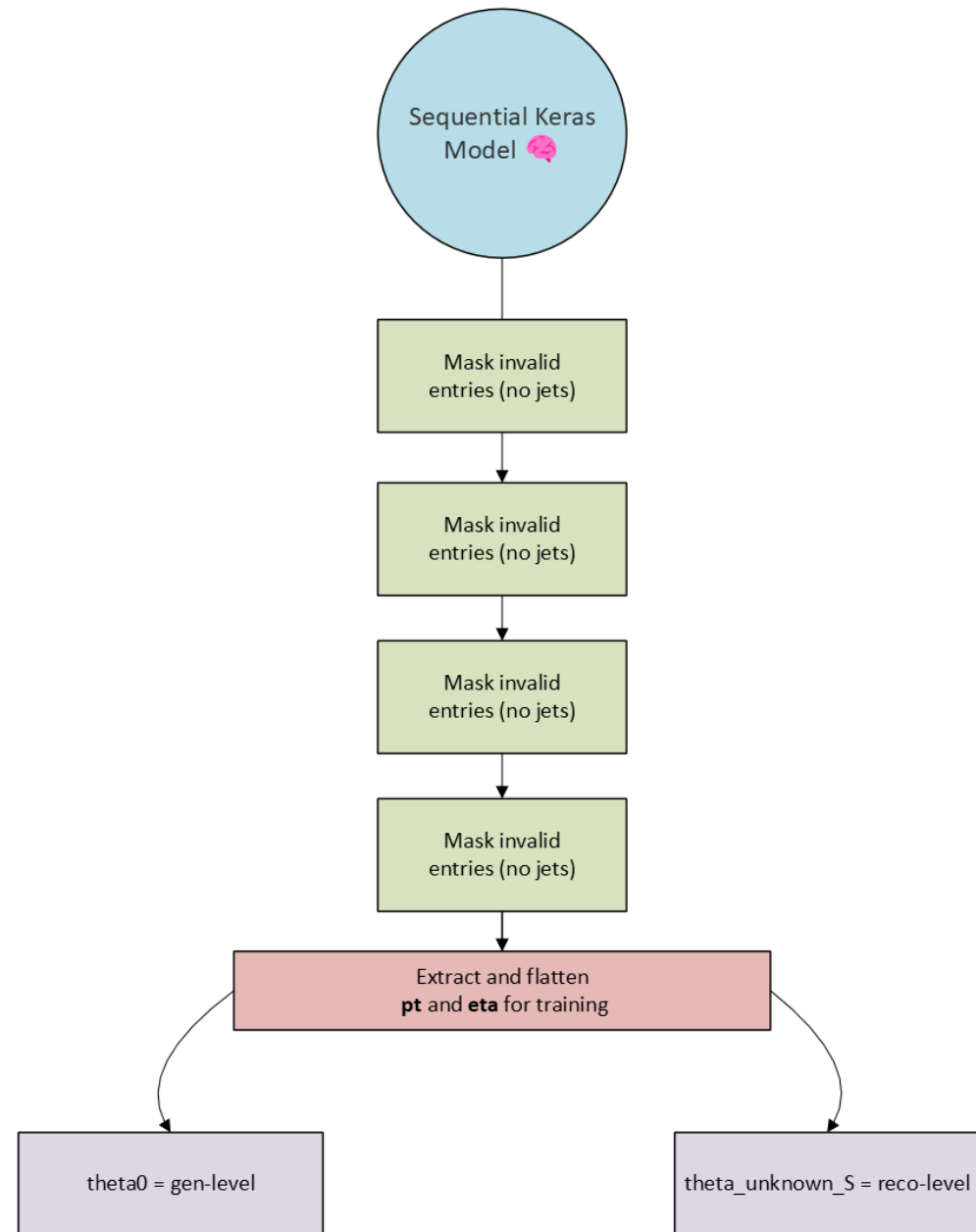
Data Loading



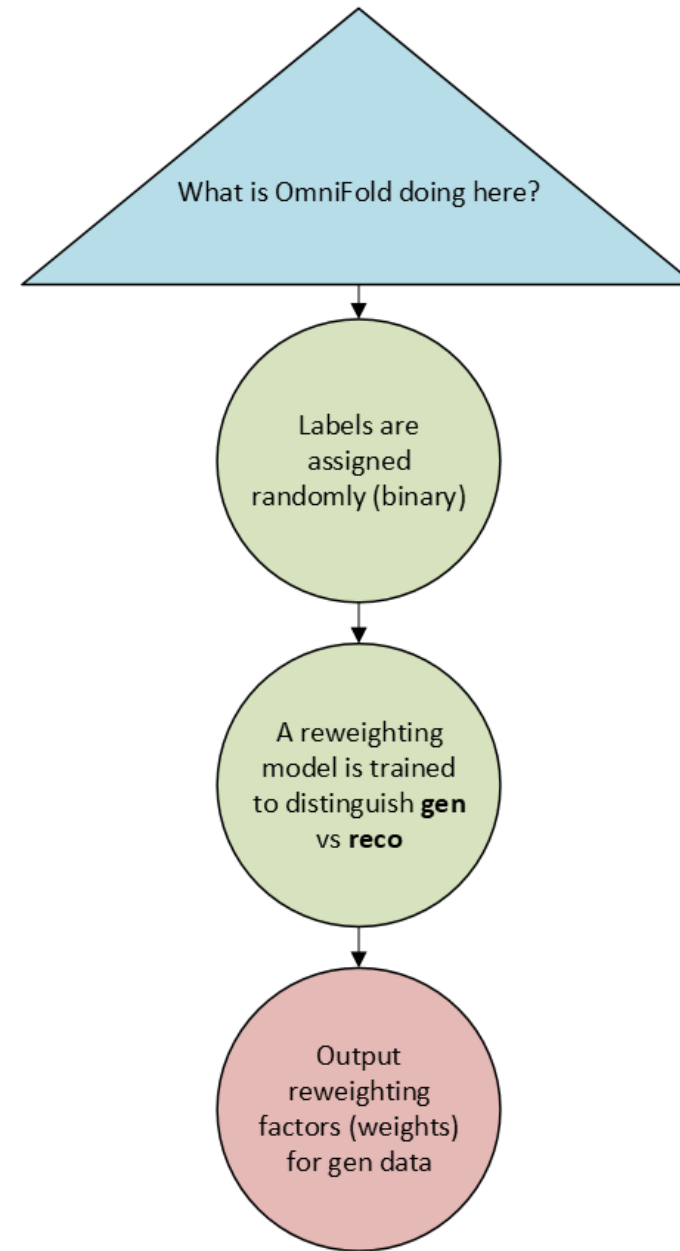
Data Preprocessing



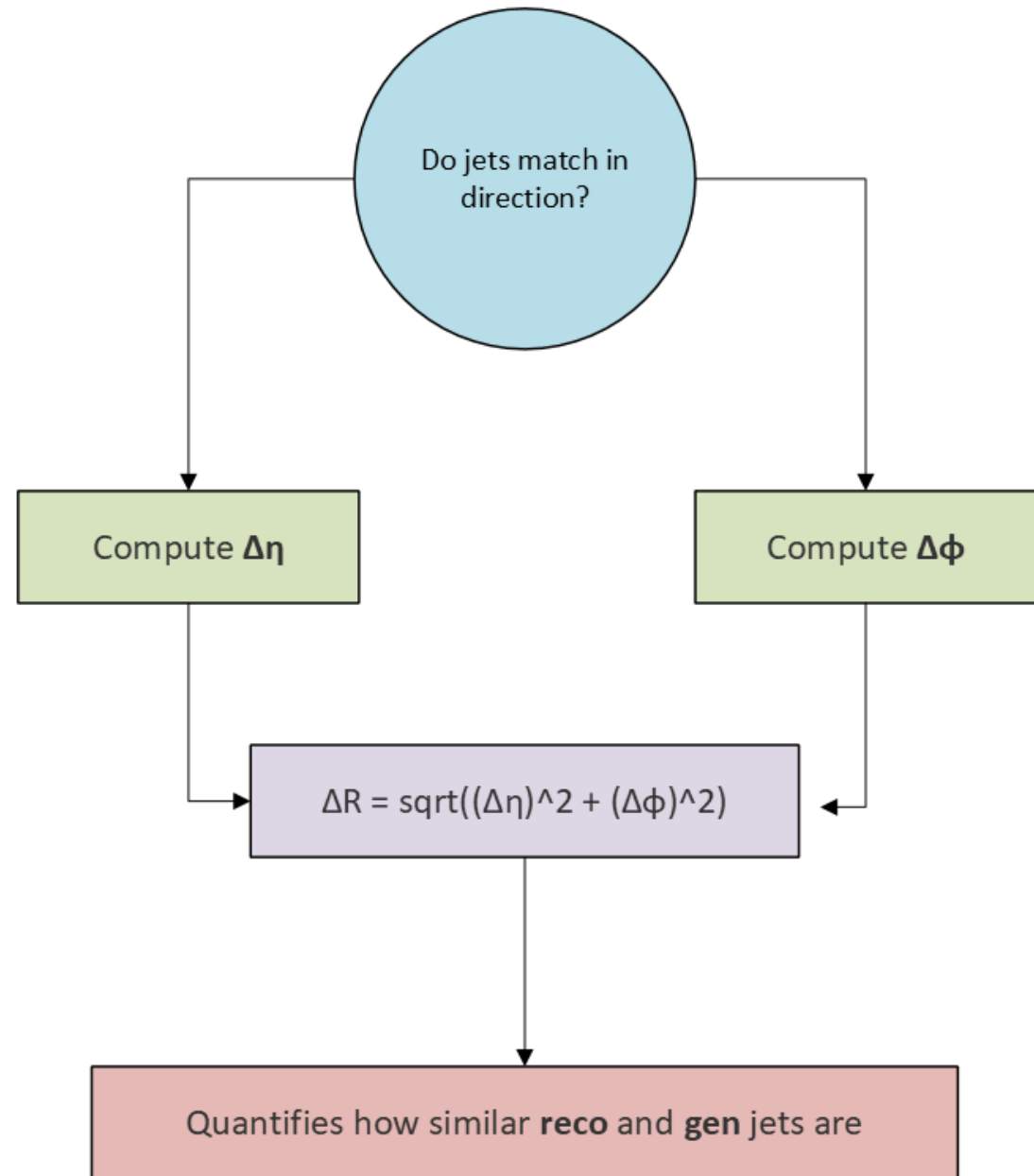
Neural Network Model



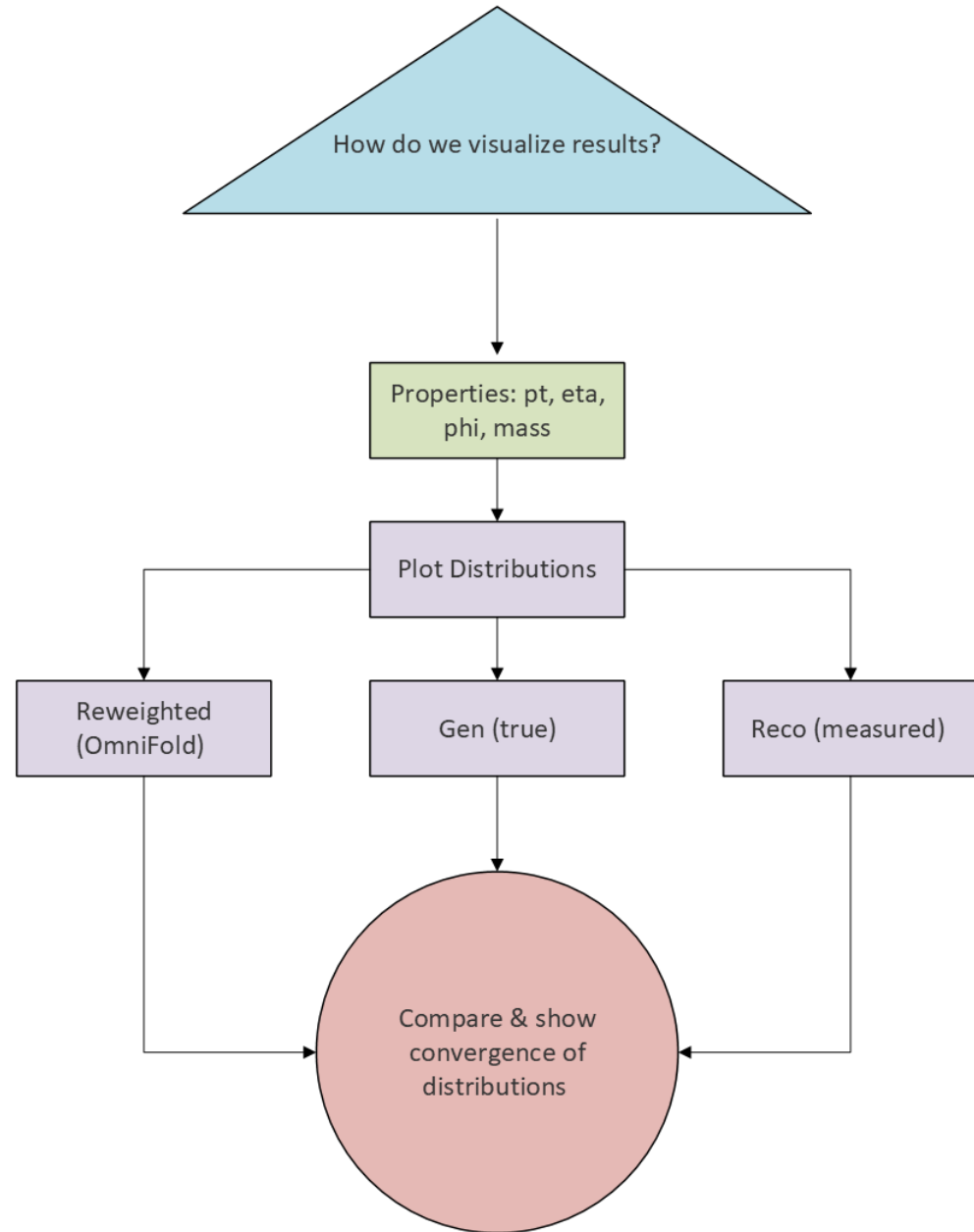
Normalize Weights



Compute ΔR

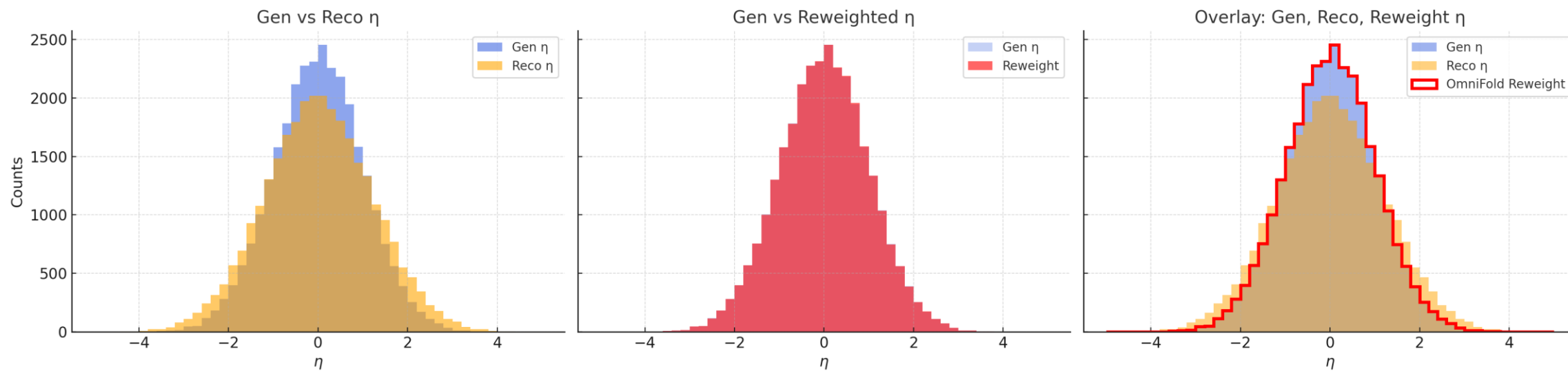


Plotting Results



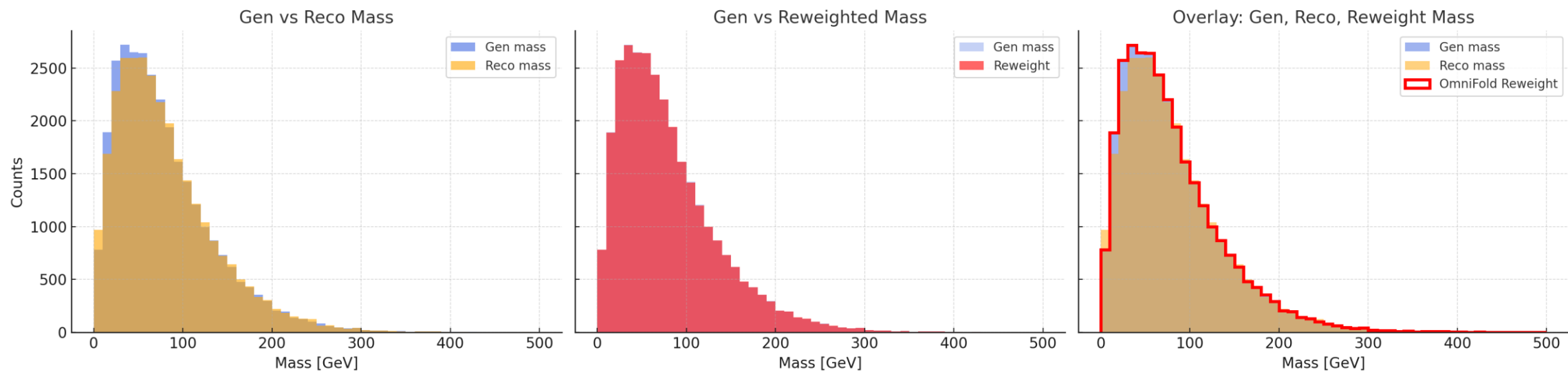
Plotting Results

Enhanced Visualization of Leading Jet η



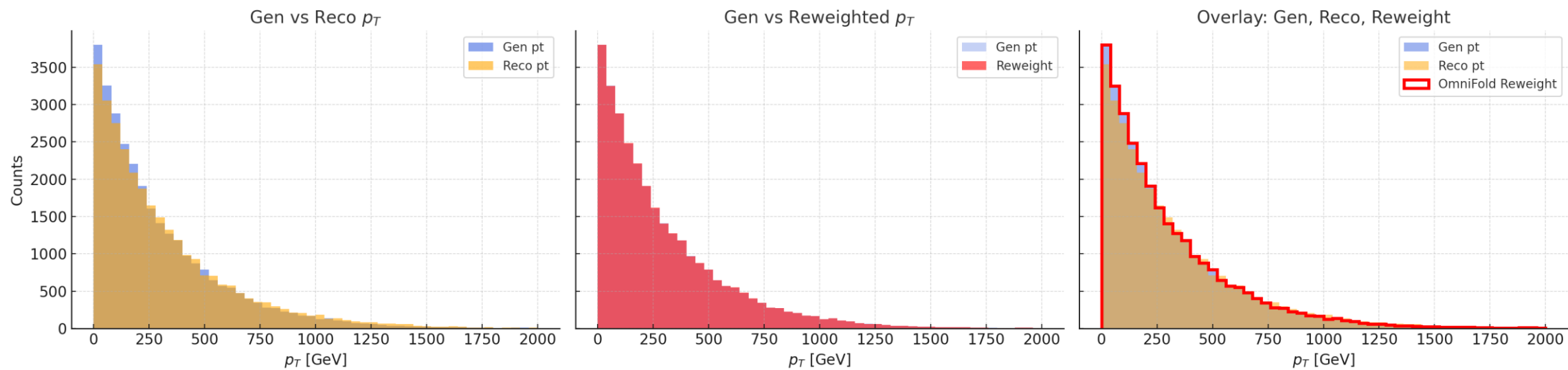
Plotting Results

Enhanced Visualization of Leading Jet Mass



Plotting Results

Enhanced Visualization of Leading Jet p_T



Plotting Results

Enhanced Visualization of Leading Jet ϕ

