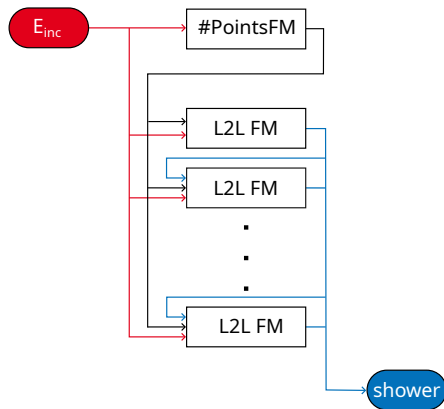
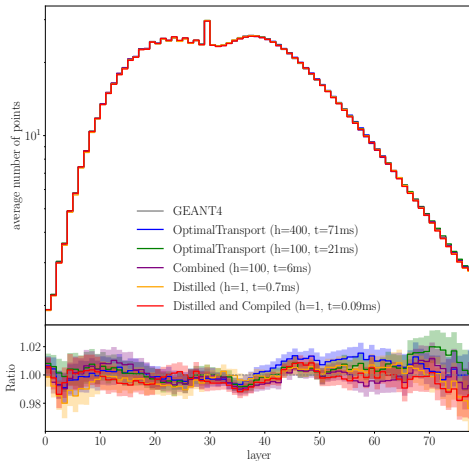
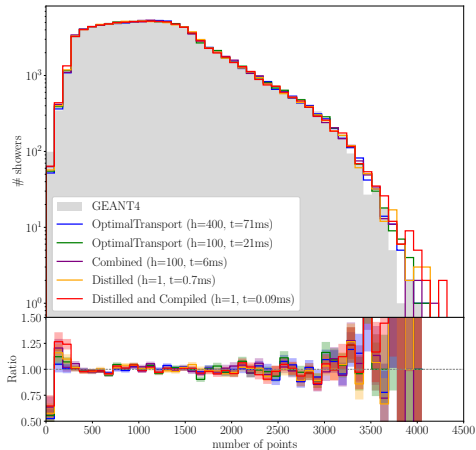


L2LFlowMatching

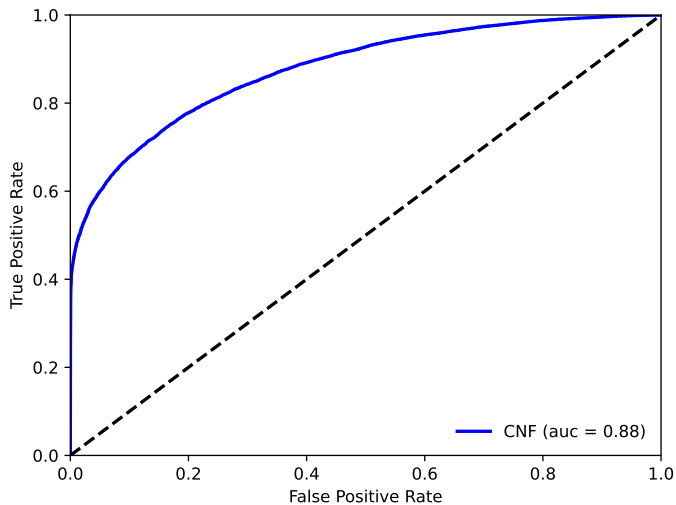
- ▶ pion shower simulation
- ▶ conditional flow matching
- ▶ based on point clouds
- ▶ layers are generated sequentially
 - ▶ #PointsFM generates number of points per layer
 - ▶ Inductive Flow Matching model generates point positions
 - ▶ conditioned on up to four previous layers
 - ▶ reduces number of points in each model pass
- ▶ global energy calibration



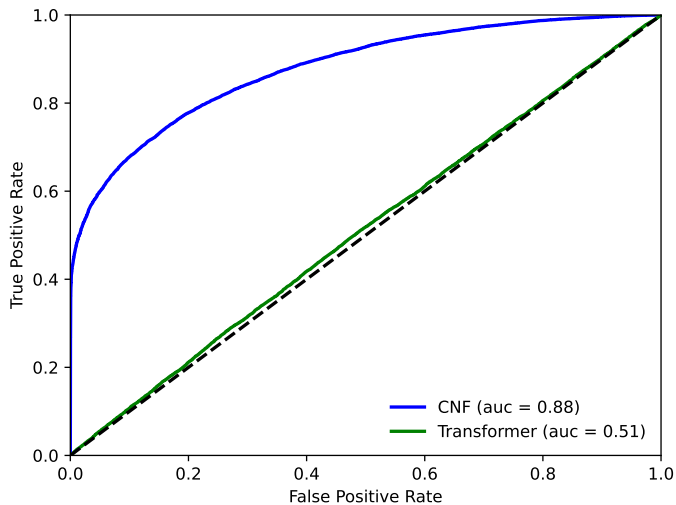
Shower Flow Matching Destilation



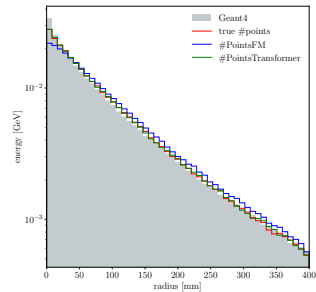
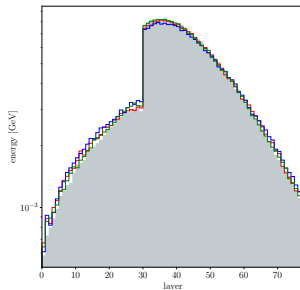
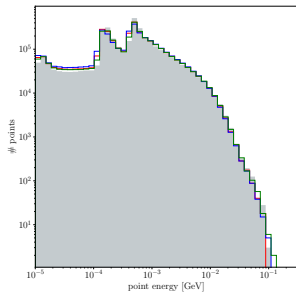
Classifier



Classifier



L2LPointFM Point Level



L2LPointFM Shower Level

