

Upstream reconstruction

Inputs features for MLPF

Initial embedding of tracks and clusters

Learnable object-to-object relations

Decode to physical features

Output particles

Downstream reconstruction

Particle flow hit clustering

MLPF module

Track and cluster features

Classification

Regression

FFN

FFN

Attention

Attention

Attention

Attention

Attention

Attention

FFN

FFN

FFN

Valid

PID

4-momentum

Jet reconstruction