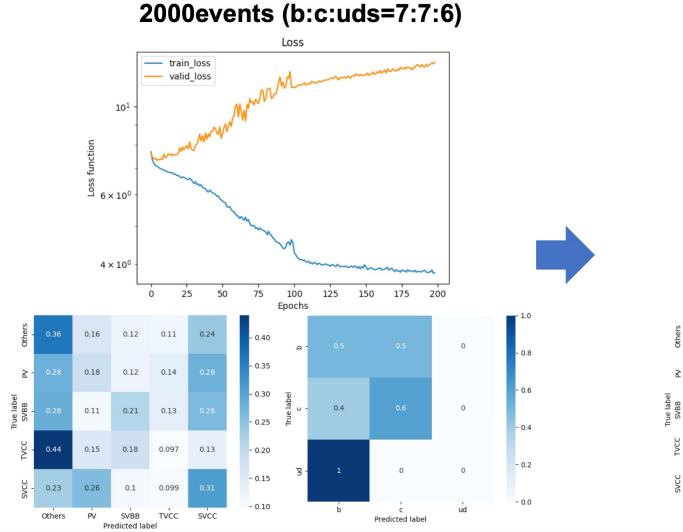
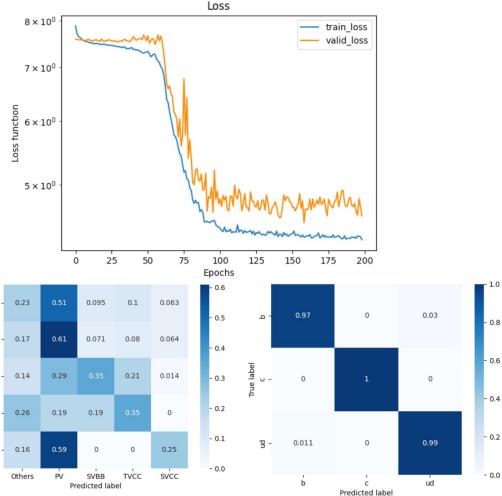
Status Report

Improvement by resolving "graph label" imbalance

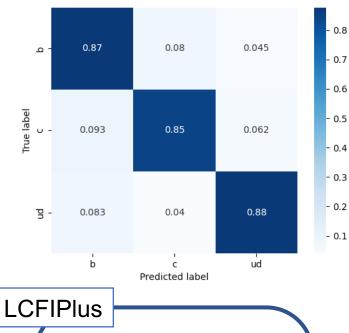


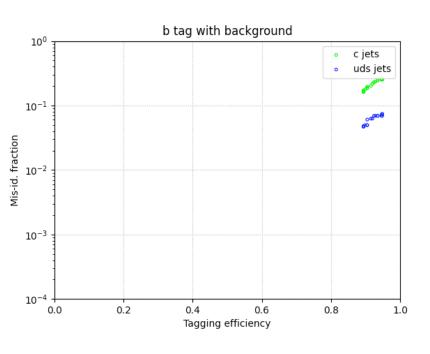
3000events (b:c:uds=1:1:1)

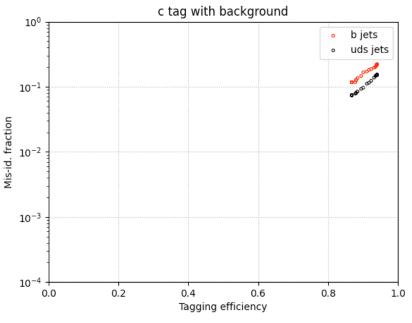


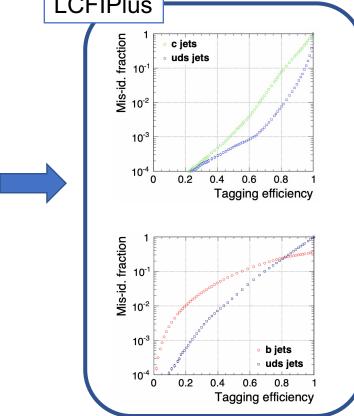
Current Results

- 15k events (2 fermion)
- Graph Attention 3 layer







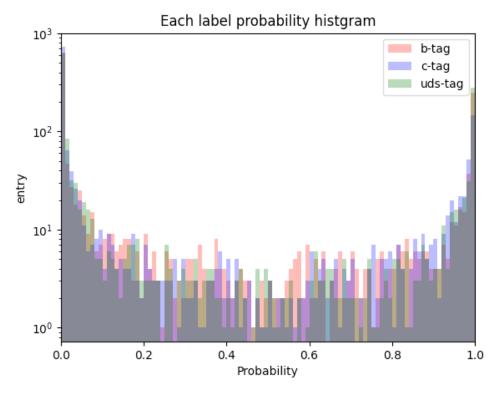


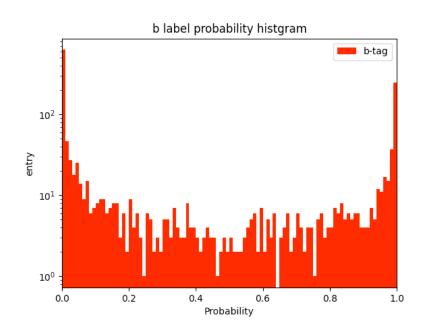
2023/1/18 Asian Physics & Software meeting

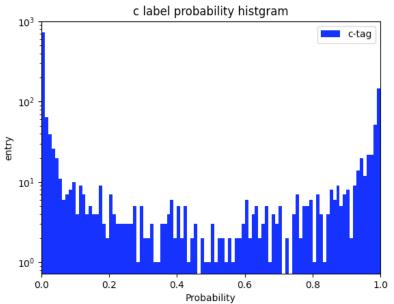
-

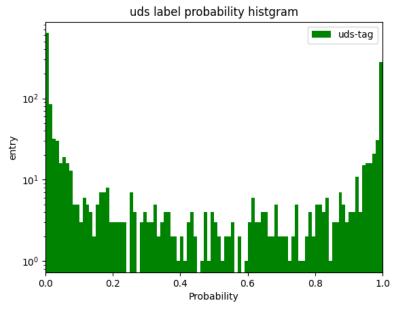
Tagging probability

 In classification problems, output means probability values for each label (b/c/uds)



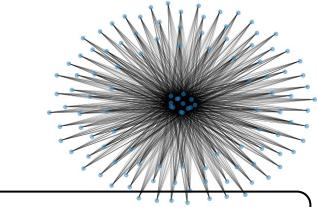


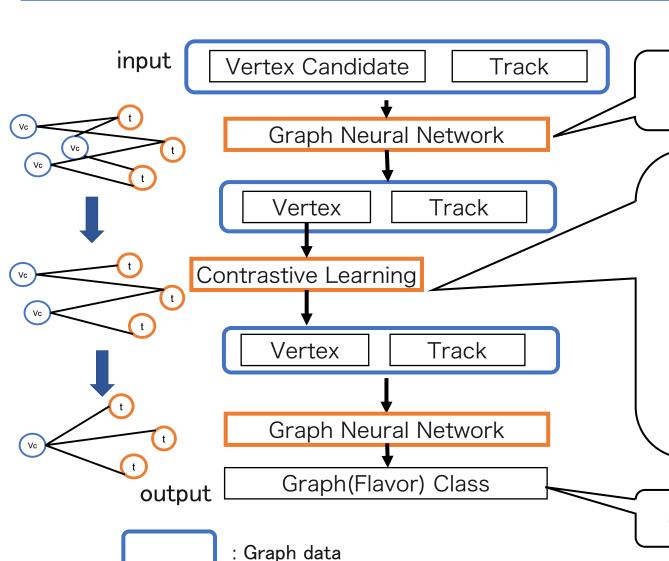




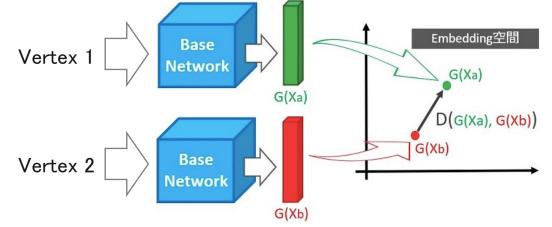
Backup

Previous strategy





Judge whether a vertex candidate is an existing vertex or not as node classification.



Deep Metric learning brings Vertexes of the same parent particle closer together.

Classify the entire graph into flavor types