One NVIDIA A100-SXM4-80GB on Perlmutter 1.00 **ATLAS** Simulation Internal Strong scaling efficiency 0 0 0 0 0 0 8 6 6 6 6 8 8 8 0 8 9 8 GNN4ITk as a Service, Metric Learning 0.96 0.86 1.5 3.0 1.0 2.0 2.5 Number of Athena threads