

GNNs for LUXE particle tracking

Status update

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Training results

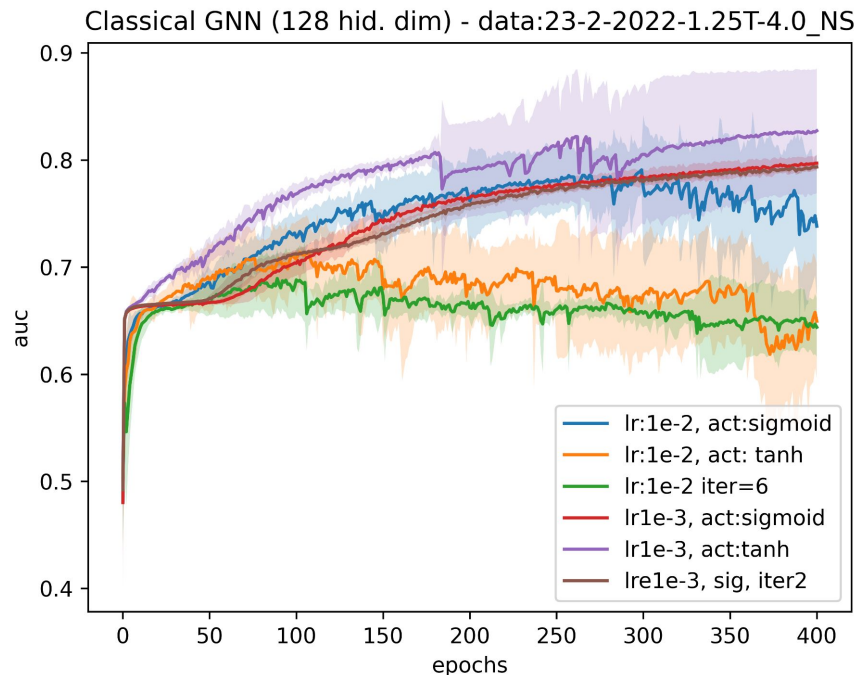
Playing with parameters of the model to improve performance

I played with some parameters and compared their results.

Best version:

- LR = $1e-3$ (we can tune this better later)
- Tanh activation function
- N_iteration=3

Then, I did another test to see how N_iteration plays a role on this model.



Training results

Here we compare different $N_{\text{iteration}}$ values.

Surprisingly $N_{\text{iteration}}=1$ performs the best.

But, I think we should do the same test to see if these results generalizes.

Because at the moment we only have 1 graph in the test set.

→ CPU training is very slow, I am also considering switching to GPUs for classical GNN training.

