

Machine Learning in High-Energy Physics*

Prof. Dr. Markus Cristinziani, Dr. W. Walkowiak

Lectures on tuesdays, hands-on exercises on thursdays

First lecture: Tuesday, Oct. 13th 2026, 12 pm – 2 pm, ENC-D 115

First exercise: Thursday, Oct. 15th 2026, 10 am – 12 pm, ENC-D 115

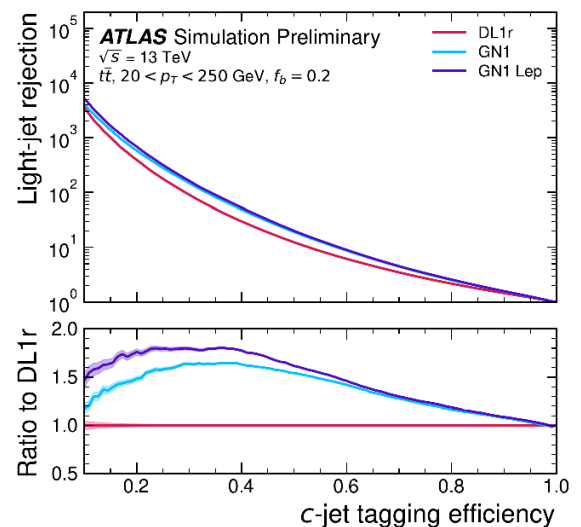
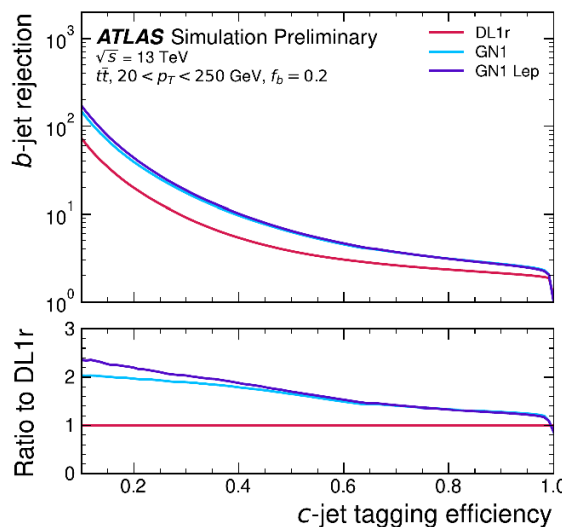
Planned Content:

- Basics of supervised learning
- Linear regression
- Linear models for classification
- Gradient descent
- Classical neural networks (NN)
- Convolutional NN
- Recurrent NN
- GNN & Transformer



Sheepdog or mop?

Chihuahua or muffin?



Contact:

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*) 4PHYMA15, aka Datenanalyse und Machine Learning

Please sign-up in Unisono.