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New Deep Learning Tools in ROOT/TMVA

Thursday 13 September 2018 09:00 (15 minutes)

In this talk, we will describe the latest additions to the Toolkit for Multivariate Analysis (TMVA), the machine learning package integrated into the ROOT framework. In particular, we will focus on the new deep learning module that contains robust fully-connected, convolutional and recurrent deep neural networks implemented on CPU and GPU architectures. We will present performance of these new libraries on benchmark datasets from high-energy physics.
We will show also performance comparisons with respect to other machine learning frameworks, such as Tensorflow and Keras.

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Session Classification: Multivariate Analysis

Track Classification: Presentations