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Deep Learning at NOvA

Thursday, 21 June 2018 16:00 (20 minutes)

With the raise of modern computing capabilities and new approaches in deep learning, we are able to design convolutional neural networks suitable for purposes of particle identification at NOvA Experiment in Fermilab. Utilizing deep learning techniques leads to the significant increase in signal efficiency classification. We provide an overview of the experiment setup, raw data measurements and application of convolutional visual network.

Primary author: BOUŘ, Petr (Department of Mathematics, FNSPE Czech Technical University in Prague)

Presenter: BOUŘ, Petr (Department of Mathematics, FNSPE Czech Technical University in Prague)

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