

MACHINE LEARNING

Working Group Monthly Meeting

FRIDAY JUNE 9TH

Wilson Hall – One West 10:30 AM

Status and General News

Speaker: Ms. Fernanda Psihas (Indiana University)

Introduction to Convolutional Neural Networks (CNNs) for homogeneous neutrino detectors

Speaker: Dr. Kazuhiro Terao (Nevis Laboratories, Columbia University)

Optimizing Deep Learner Hyper-parameters Using an Evolutionary Algorithm on MINERvA

Speaker: Dr. Steven Young (Oak Ridge National Laboratory)

Searching for $n-\bar{n}$ oscillation in DUNE

Speaker: Mr. Jeremy Hewes (The University of Manchester)

Network architecture for Proton Decay Analyses in Liquid Argon Time Projection Chambers

Speaker: Dr. Kevin Wierman (PNNL)

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