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IML



IML News

Sergei Gleyzer (CMS)

**Michele Floris (ALICE), Lorenzo Moneta (SFT)
Steven Schramm (ATLAS), Paul Seyfert (LHCb)**

IML WG Meeting

July 13, 2017

- **CMS ML Workshop**
- **HEP ML Community White Paper**
- **Other News**



- **CMS ML Workshop: July 5-6**
 - **Kicked off the new CMS ML Forum**
 - 215 participants
 - 35 contributed talks
 - 7 topical sessions
 - **Excellent participation despite short notice**

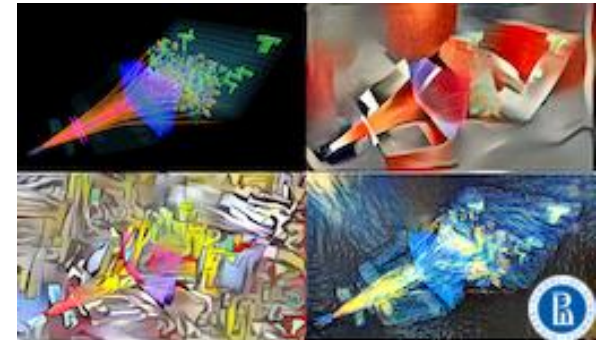
- **HEP Community White Paper (CWP) in Machine Learning**



- Workshop in Annecy June 26-30
- Google group
- Sharelatex draft
- Next meeting on Monday 15:00

- **MLHEP Summer School**
 - Reading, UK
 - 17-23 July, 2017

- **Next Fermilab ML (IC) Mtg**
 - July 14, 2017
 - [link](#)



MACHINE LEARNING
Working Group Monthly Meeting

FRIDAY JULY 14TH
Wilson Hall - One West 10:30 AM

Status and General News
Speaker: Ms. Fernanda Psihas (Indiana University)

Background Rejection in NEXT Using Convolutional Neural Networks
Speaker: Mr. Josh Renner (Universitat de Valencia)

NOVA's Convolutional Visual Network for Event Classification
Speaker: Dr. Alexander Radovic (College of William and Mary)

CNNs for Event Reconstruction on DUNE
Speaker: Dr. Robert Sulej (FNAL / NCB1)

Exploring image-based deep learning for end-to-end event classification
Speaker: Michael Andrews (Carnegie Mellon, CMS)

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 **Fermilab**

IML Machine Learning Working Group



Thursday 13 Jul 2017, 15:00 → 17:35 Europe/Zurich

40-S2-C01 - Salle Curie (CERN)

Description Agenda under development. If you like to present, please contact iml.coordinators@cern.ch

Videoconference Rooms

IML-MachineLearning-WG

Join

Salle Curie

Webcast

There is a live webcast for this event

Watch

- 15:00** → 15:10 **News and group updates** 🕒 10m

Speakers: Lorenzo Moneta (CERN), Michele Floris (CERN), Paul Seyfert (CERN), Dr. Sergei Gleyzer (University of Florida (US)), Steven Randolph Schramm (Universite de Geneve (CH))
- 15:10** → 15:40 **Anomaly detection with Deep Learning** 🕒 30m

Speaker: Siraj Raval
- 15:40** → 16:00 **An EoS-meter of QCD transition from deep learning¹** 🕒 20m

Speaker: Dr. Long-Gang Pang (Frankfurt Institute for Advanced Studies, Goethe University)
- 16:00** → 16:20 **Use of Boosted Decision Trees in Trigger Applications** 🕒 20m

Speaker: Andrew Mathew Carnes (University of Florida (US))

[ml_in_L1-Trigger.pdf](#)
- 16:20** → 16:40 **Machine Learning in the LHCb trigger system** 🕒 20m

Speaker: Vladimir Gligorov (Centre National de la Recherche Scientifique (FR))

- **Siraj Raval**
 - **Data Scientist**
 - **Author and educator**
 - **Youtuber**

- **Welcome!!**

root:~\$ **Siraj Raval**

Artificial Intelligence Education

New Video Every Week!

