

## IML meeting – NEWS

Lorenzo Moneta (CERN)   Markus Stoye (Imperial College, DSI)  
Paul Seyfert (CERN)   Rüdiger Haake (Yale University)  
Steven Schramm (Université de Genève)



# Machine Learning related sessions at summer conferences

- ICHEP
- CHEP
- BOOST
- QCHS



## upcoming events

2018-09-10 – 2018-09-13 [ROOT Users' Workshop in Sarajevo](#)

2018-09-17 – 2018-09-21 [INSIGHTS Workshop on Statistics and Machine Learning](#)

2018-09-19 joint Outreach Workshop together with the  
aMVA4NewPhysics Training Network

2018-09-21 [CERN Alumni -- Moving Out of Academia to Big Data](#)

2018-10-12 next IML meeting (Salle Anderson 40/S2-A01)



# today's meeting

## IML Machine Learning Working Group: constraining theory parameters with ML

📅 Thursday 30 Aug 2018, 15:00 → 18:00 Europe/Zurich

📍 500-1-001 - Main Auditorium (CERN)

**Description** Agenda under development. If you like to present, please contact [iml.coordinators@cern.ch](mailto:iml.coordinators@cern.ch)

### Webcast

📺 There is a live webcast for this event

[Watch](#)

### Videoconference Rooms

🌐 IML-MachineLearning-WG

[Join](#)



### 15:00 → 15:10 Introduction and news

🕒 10m

**Speakers:** Lorenzo Moneta (CERN), Markus Stoye (Imperial College (GB)), Paul Seyfert (CERN), Rudiger Haake (Yale University (US)), Steven Schramm (Universite de Geneve (CH))

### 15:15 → 16:00 Learning the likelihood function: moving from classification to Inference

🕒 45m

**Speaker:** Kyle Stuart Cranmer (New York University (US))



arxiv:1805.00013



arxiv:1805.00020

### 16:00 → 16:30 Learning (from) high-dimensional models: PhenoAI and Active Learning

🕒 30m

**Speaker:** Mr Bob Stienen (Radboud University Nijmegen)

### 16:35 → 16:45 DarkMachines

🕒 10m

**Speaker:** Roberto Ruiz De Austri (Instituto de Fisica Corpuscular (ES))



Run 259810  
Timestamp: 2015-11-25 11:23:36(UTC)  
System: P409  
Energy: 0.00 TeV



CMS Experiment at LHC, CERN  
Data recorded: Wed Nov 25 12:21:51 2015 CET  
Run/Event: 259810 / 14592169  
Lumi section: 309

SQFT

Event 2598326  
Run 168486  
Wed, 25 Nov 2015 12:51:53

CEST

first, stable beams heavy-ion collisions

Run 20010  
Timestamp: 2015-11-25 11:23:36(UTC)  
System: P409  
Energy: 0.00 TeV



CMS Experiment at LHC, CERN  
Data recorded: Wed Nov 25 12:21:51 2015 CET  
Run/Event: 262548 / 14592169  
Lumi section: 309

SQFT

Event 2598326  
Run 168486  
Wed, 25 Nov 2015 12:51:53

CEST

first, stable beams heavy-ion collisions