

LHC Machine Learning WG (IML) News

Sergei Gleyzer

Steven Schramm

IML WG Meeting

Oct. 27, 2015

Outline

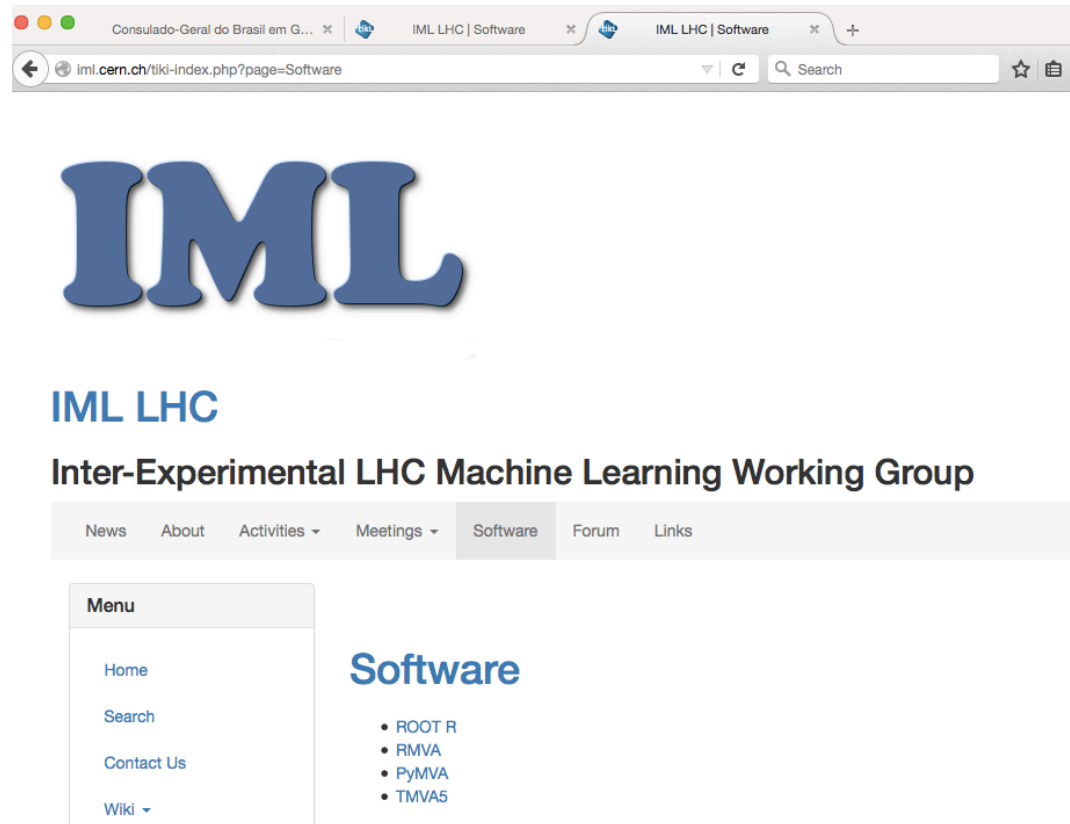
- New website
- TMVA New Features
- Agenda for today
 - Tutorials
 - DS'15 and future workshops
 - Talk on R in HEP
 - Plans for 2016

IML Website

iml.cern.ch

New website

- News
- Meetings
- Software
- Forum
- Tasks



TMVA new features

- Several demos of TMVA new features planned for DS15
 - Modular interface
 - Variable selection
 - Python/R interfaces
- Full release + tutorial planned for December or January

Tuesday, 27 October 2015

10:00 - 10:20

News and updates 20'

Working group status updates and recent developments

Speakers: Dr. Sergei Gleyzer (University of Florida (US)), Steven Randolph Schramm (Universite de Geneve)

10:20 - 11:00

ML Tutorials for HEP (TMVA, scikit-learn, etc) 40'

Discussion on what would be useful to cover in current and future ML tutorials (at DS15 and beyond)

Speakers: Dr. Sergei Gleyzer (University of Florida (US)), Lorenzo Moneta (CERN)

11:00 - 11:15

Future Data Science @ LHC Workshops 15'

Future plans of the DS@LHC group beyond next month's workshop

Speakers: Maurizio Pierini (CERN), Jean-Roch Vlimant (California Institute of Technology (US))



[DS@LHC2015 agen...](#)

11:15 - 11:30

Machine learning for particle physics using R 15'

Lessons learned and benefits from working with large datasets in R

Speaker: Andrew Lowe (Hungarian Academy of Sciences (HU))



[Machine learning fo...](#)

11:30 - 12:00

The Inter-experimental Machine Learning working group plans in 2016 30'

Discussion on the future plans of the working group