IML meeting – NEWS

Lorenzo Moneta (CERN)
Michele Floris (University of Derby and CERN)
Paul Seyfert (CERN) Sergei Gleyzer (University of Florida)
Steven Schramm (Université de Genève)

Announcements 1/2

- Hadoop User forum
  "HEP Data Processing with Apache Spark"
  Wednesday 6th Dec 2017, 14:00, at CERN
  https://indico.cern.ch/event/678628/
- Deep Learning for Physical Sciences workshop at NIPS
  December 8, 2017, Long Beach (USA)
  https://dl4physicalsciences.github.io/
- next EP-IT data science seminar by Conor Fitzpatrick (EPFL)
  "Too much of a good thing:
  How to trigger in a signal-rich environment"
  Wednesday 13 Dec 2017, 11:00, at CERN
  https://indico.cern.ch/event/675056/

Announcements 2/2

- next IML meeting
  Friday 26 Jan 2018, 222-R-001 (Filtration plant)
  open topic, aiming for:
  - followup on today's meeting
  - news/summary from NIPS
  - tools and software updates
  - <your project here>

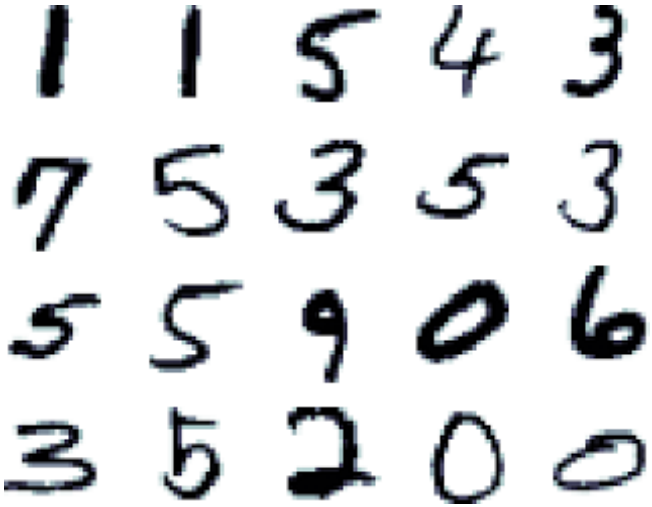
  https://indico.cern.ch/event/679765/

2018 IML workshop

- plans getting more and more concrete
  "core workshop" 9th April – 11th April
  ✓ rooms booked
- similar to last time: physics sessions
  topics: deep learning, tagging, regression, generative models
- new: hackathon 12th April (one day)
  reduced number of participants!
  please think about projects you'd want to attack
- different than last time: challenge
  will start before the workshop (to run $\sim$ one month)
  more details in 2018

https://indico.cern.ch/event/668017/

today's topic: common benchmark dataset



what we want:

- ML benchmark(s)
- HEP specific
- common among experiments
- $\rightarrow$ able to compare two methods by looking up their benchmark

today's focus: technical challenges

- make data accessible
- size, formats, ...
- citing data

Agenda

IML Machine Learning Working Group: common benchmark datasets

Friday 1 Dec 2017, 15:00 → 18:00 Europe/Zurich

222-R-001 (CERN)

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

Videoconference Rooms IML-MachineLearning-WG Join 222-R-001

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

Speakers: Lorenzo Moneta (CERN), Markus Stoye (CERN), Michele Floris (CERN), Paul Seyfert (CERN), Dr. Sergei Gleyzer (University of Florida (US)), Steven Randolph Schramm (Universite de Geneve (CH))

15:10 → 15:30 **Benchmark creation experiences: HiggsML** 20m

Speaker: David Rousseau (LAL-Orsay, FR)

15:35 → 15:55 **Hosting services: Zenodo** 20m

Speaker: Lars Holm Nielsen (CERN)

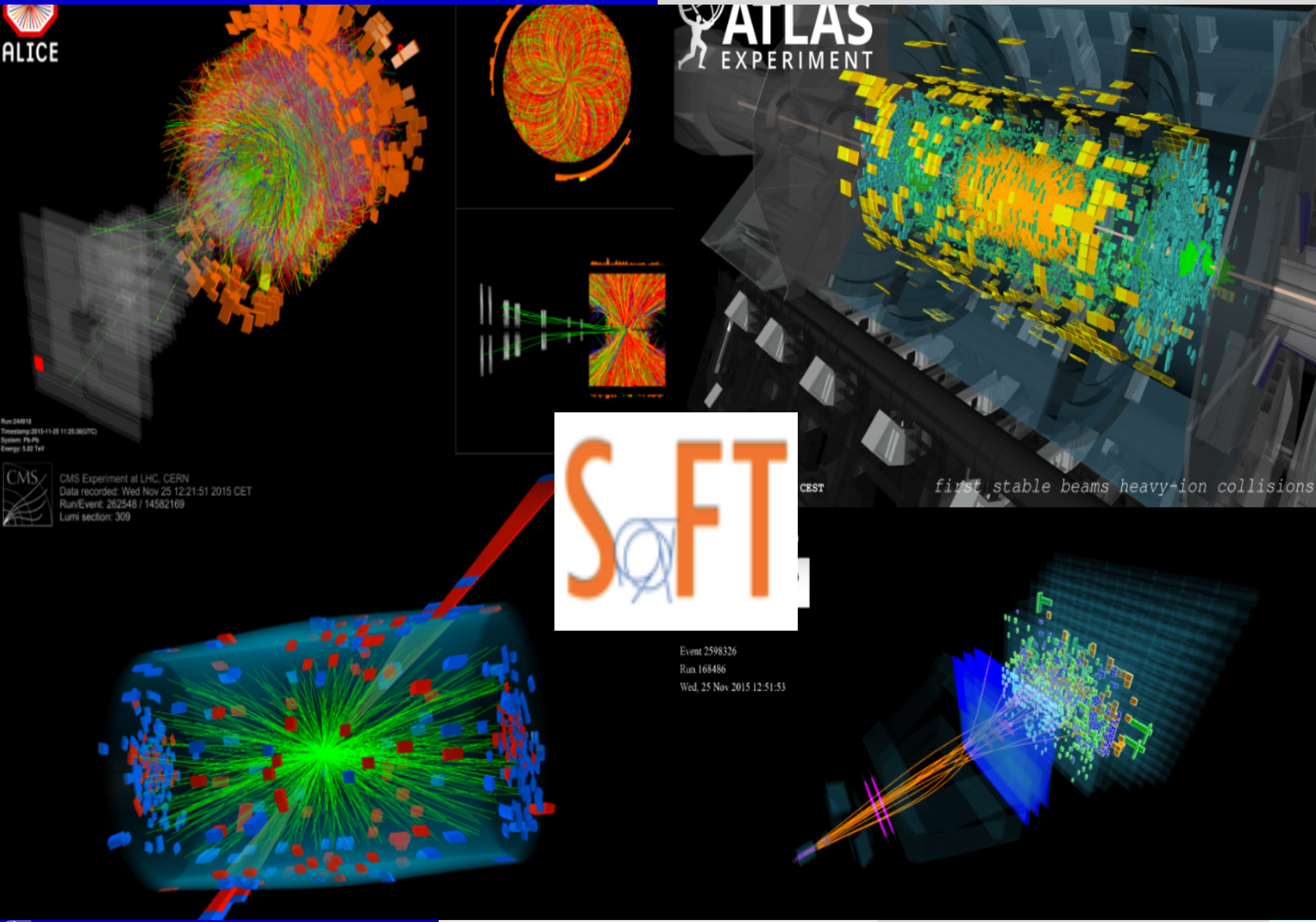
16:00 → 16:20 **Hosting services: CERN Open Data** 20m

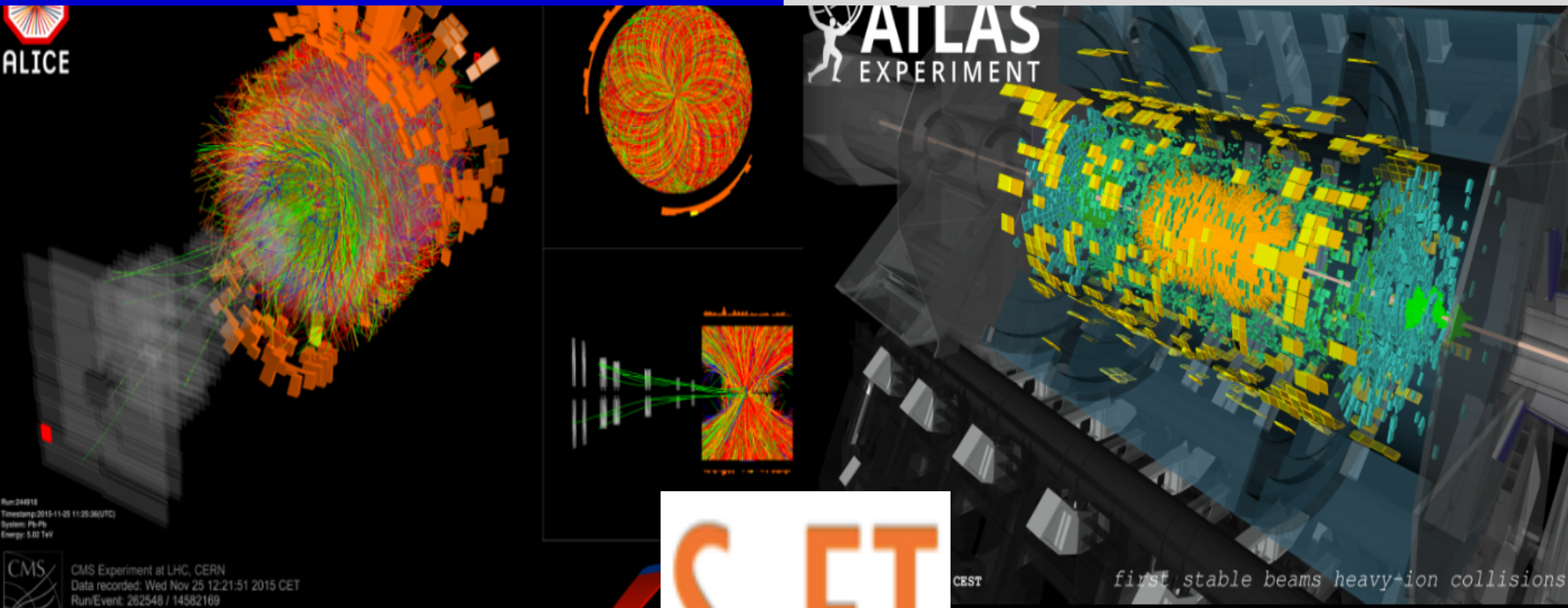
Speaker: Sunje Dallmeier-Tiessen (Humboldt-Universitaet zu Berlin (DE))

16:25 → 16:45 **Hosting services: OpenML** 20m

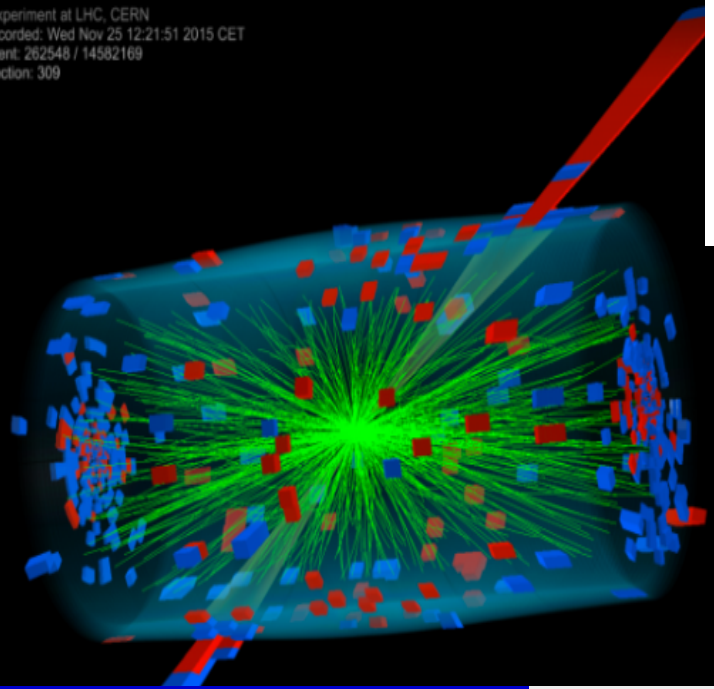
Speaker: Joaquin Vanschoren

16:50 → 17:20 **Open discussion and community feedback** 30m


ALICE
ATLAS
EXPERIMENT
CMS Experiment at LHC, CERN
Data recorded: Wed Nov 25 12:21:51 2015 CET
Run/Event: 262548 / 14582169
Lumi section: 309
first stable beams heavy-ion collisions
SoFT
Event 2598326
Run 168486
Wed, 25 Nov 2015 12:51:53



SoFT



sources for the slides