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>

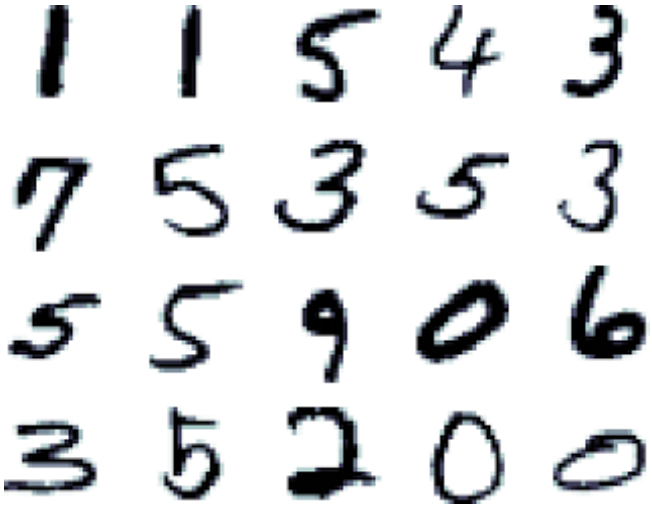
  https://indico.cern.ch/event/679765/

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)
  bring on your project (e.g. new feature for your favourite ML tool)
  profit from expertise of the other participants around you
  join and help others on their project
  → suggest problems to attack at the hackathon
- 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)

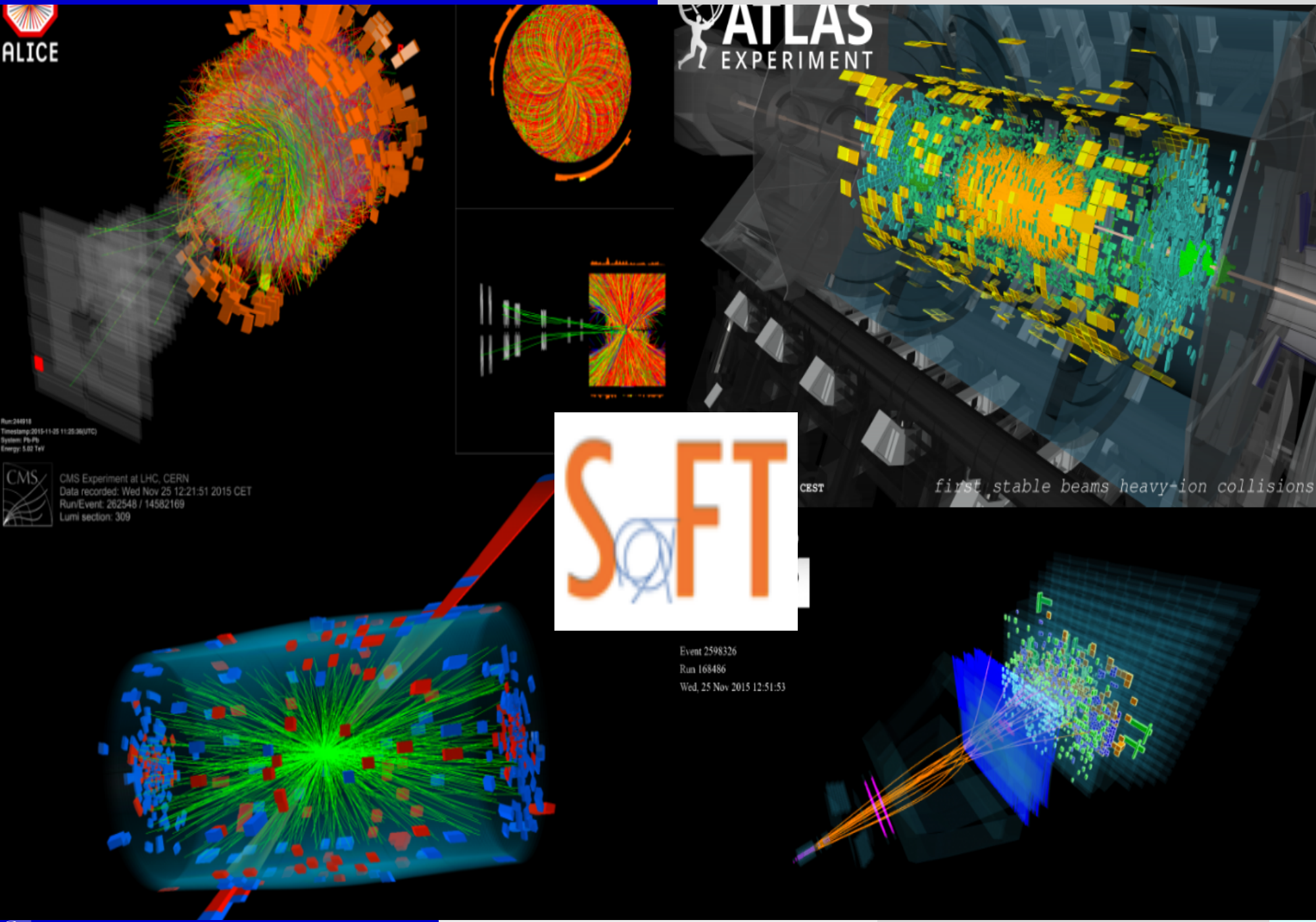
16:00 → 16:20 **Hosting services: CERN Open Data** 20m

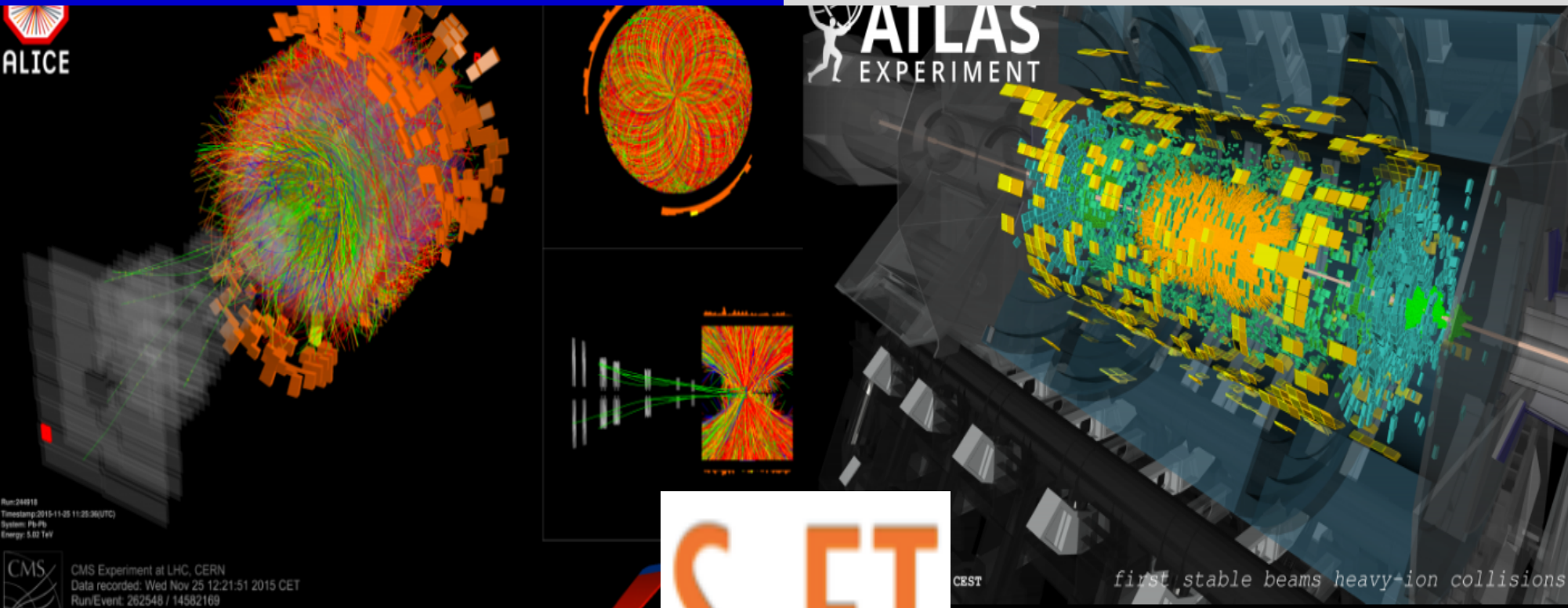
Speaker: Sunje Dallmeier-Tiessen (Humboldt-Universitaet zu Berlin (DE))

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



sources for the slides