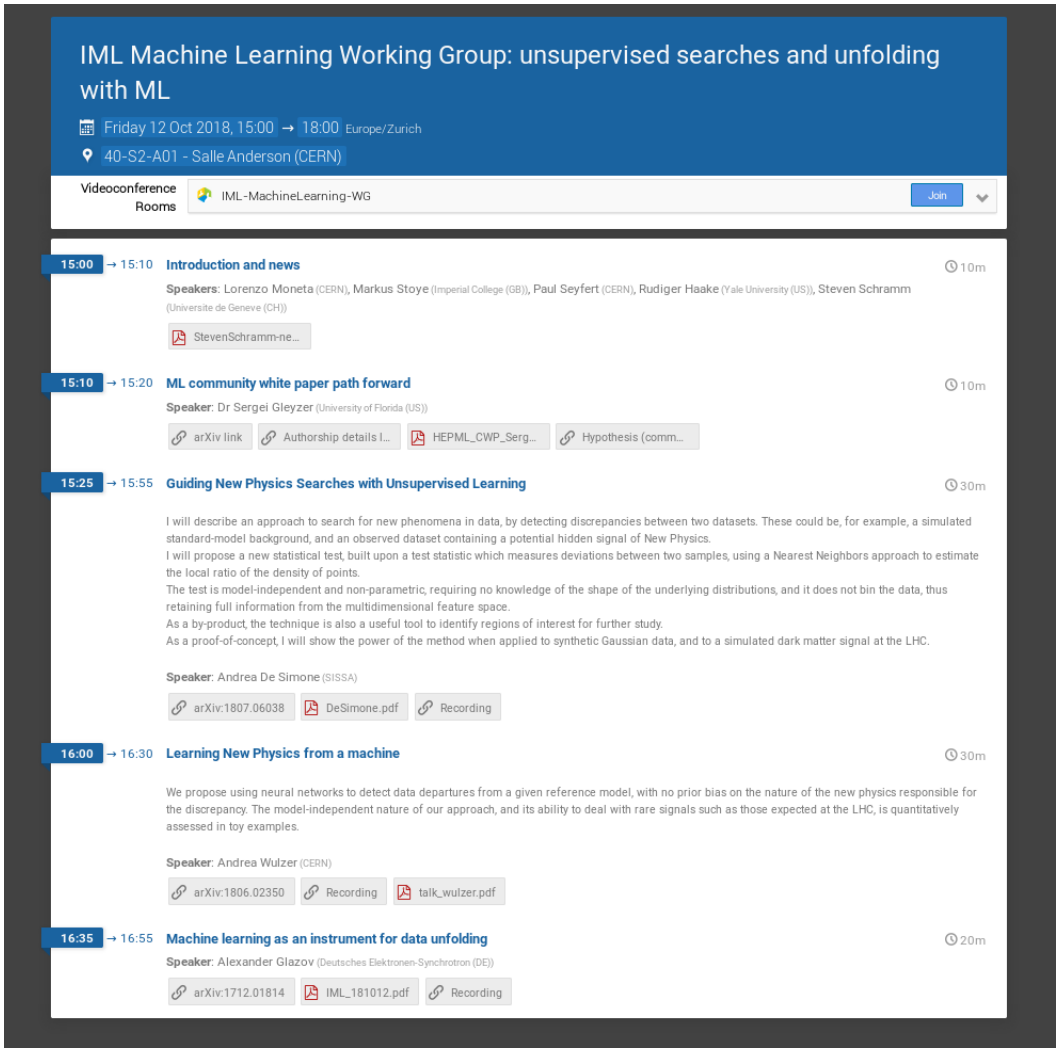
IML meeting – NEWS

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

HEP Software Foundation – Community White Paper

- Editing meeting on Friday
- Thanks to all contributors and commentators
  - Comment deadline extended until 1st November

Recordings online



- Instead of written minutes we now organise recordings for talks
- (with approval by the speaker, not automatically)
- e.g. last meeting's talks accessible on the indico agenda
- Big thanks to the recording service

Upcoming events

2018-10-31 Data science seminar: Full Event Interpretation at Belle 2

2018-11-30 Next IML meeting (Filtration plant 222/R-001)

open topic: anything ML related that you're working on that didn't fit topical meetings

Upcoming conferences/workshops

2018-11-14 – 2018-11-16 `ML4Jets` abstract deadline tomorrow
ML as applied to jet physics

2019-01-22 – 2019-01-25 `PHYSTAT-nu` abstract deadline tomorrow
statistics, including ML, for neutrino physics

2019-03-11 – 2019-03-15 `ACAT` abstract deadline 2018-11-20
Empowering the Revolution: Bringing ML to HPC

2019-04-02 – 2019-04-05 `Connecting the Dots` abstract deadline Sunday
track reconstruction, pattern recognition, and ML with tracks

Today's meeting

IML Machine Learning Working Group: unsupervised searches, part 2

Tuesday 30 Oct 2018, 15:00 → 18:00 Europe/Zurich

500-1-001 - Main Auditorium (CERN)

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 → 15:35 **Searching for new physics without knowing the signal model** — 20m

Speakers: Jeroen Schouwenberg (Nikhef National institute for subatomic physics (NL)), Sascha Caron (Nikhef National institute for subatomic physics (NL)), Simone Amoroso (Deutsches Elektronen-Synchrotron (DE))

15:40 → 16:00 **CWoLa hunting** — 20m

Speakers: Ben Nachman (Lawrence Berkeley National Lab. (US)), Jack Collins (University of Maryland and Johns Hopkins University)

16:05 → 16:25 **QCD or What?** — 20m

arXiv:1808.08979

Speaker: Jennifer Thompson (ITP Heidelberg)

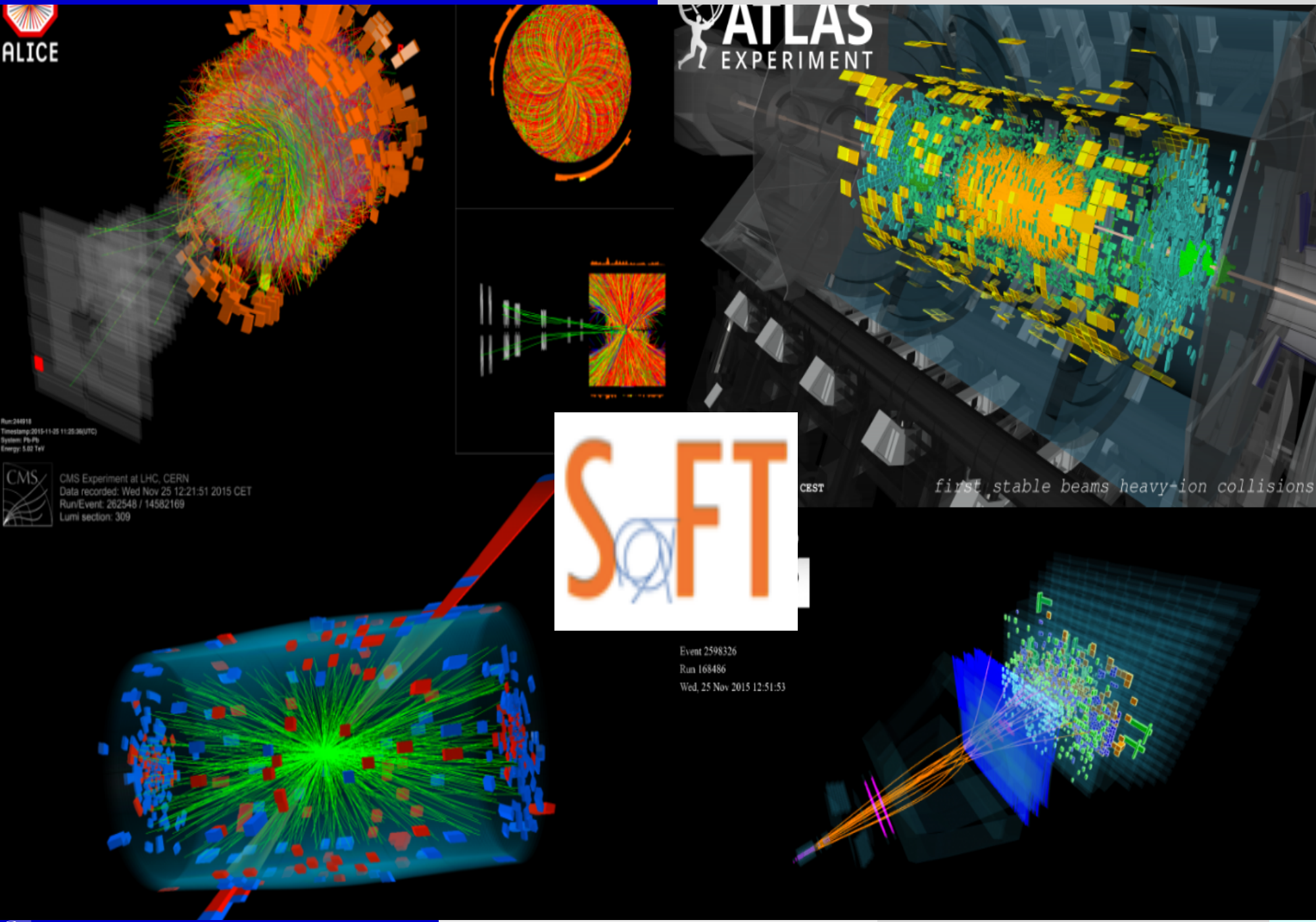
16:30 → 16:50 **The Unsupervised Collider Searches DarkMachines Project** — 20m

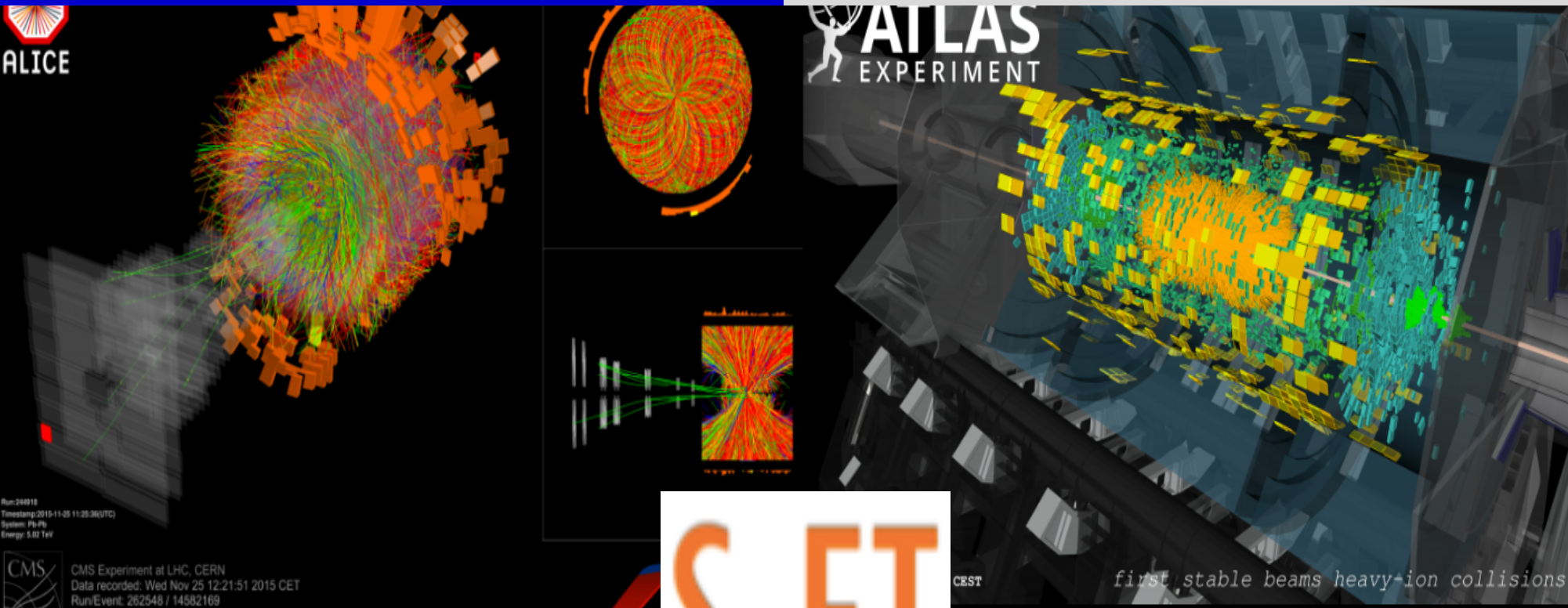
Speaker: Amir Farbin (University of Texas at Arlington (US))

16:55 → 17:15 **Searching for New Physics with Deep Autoencoders** — 20m

https://arxiv.org/abs/1808.08992

Speaker: David Shih (Rutgers University)


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 slides will appear on
(excl. cern logo and monospace font)
https://gitlab.cern.ch/pseyfert/slides-imlnews-2018-10-30