IML meeting – NEWS

David Rousseau (LAL-Orsay) Lorenzo Moneta (CERN)
Loukas Gouskos (CERN) Paul Seyfert (CERN)
Rüdiger Haake (Yale University)

new CMS coordinator

Welcome to Loukas Gouskos as new IML coordinator for CMS

IML workshops

Following the annual workshop, we're digesting the feedback forms for the planning of next year's workshop. Overall positive feedback.

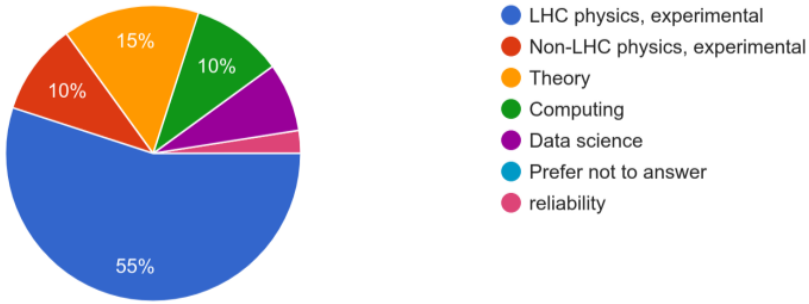
IML workshop 2020

Next year's workshop possibly early June to avoid collision with "Connecting the Dots" and "Dark Machines".
More news once things are fixed.

Participation

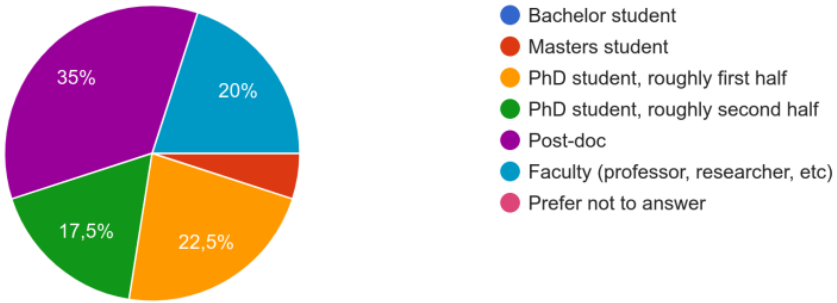
What community do you come from?

40 Antworten



What is your current career status?

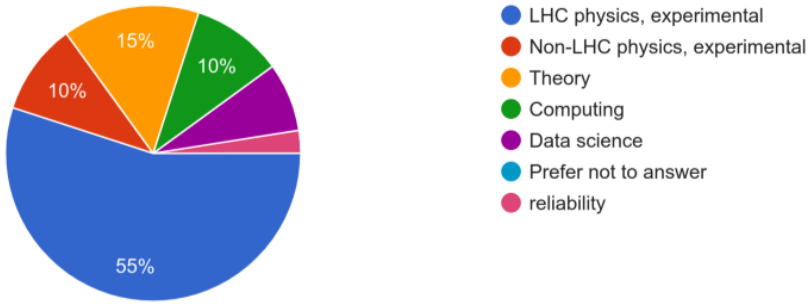
40 Antworten



Participation

What community do you come from?

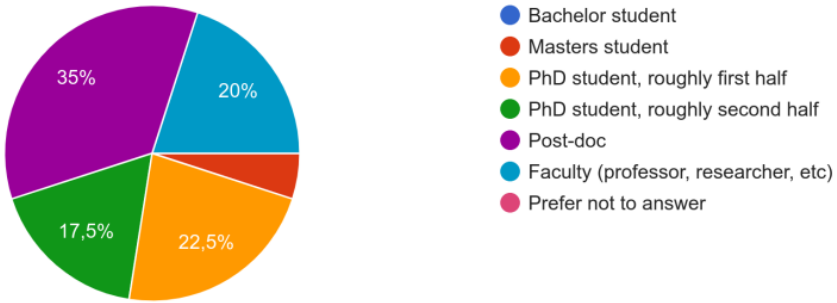
40 Antworten



about half of the participants not LHC physicists

What is your current career status?

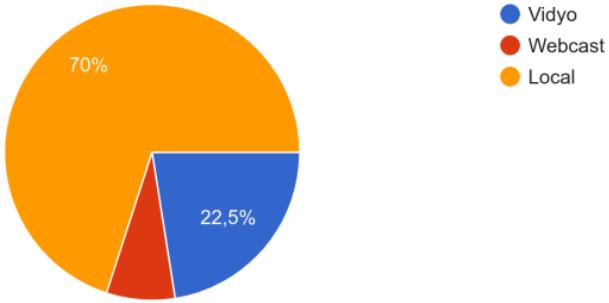
40 Antworten



Participation

Did you participate remotely or locally?

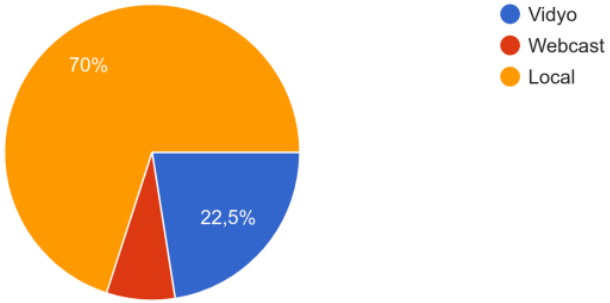
40 Antworten



Participation

Did you participate remotely or locally?

40 Antworten

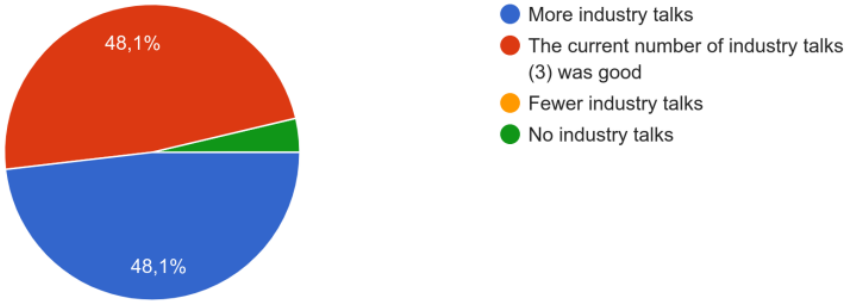


possibility for remote participation is used

Industry session

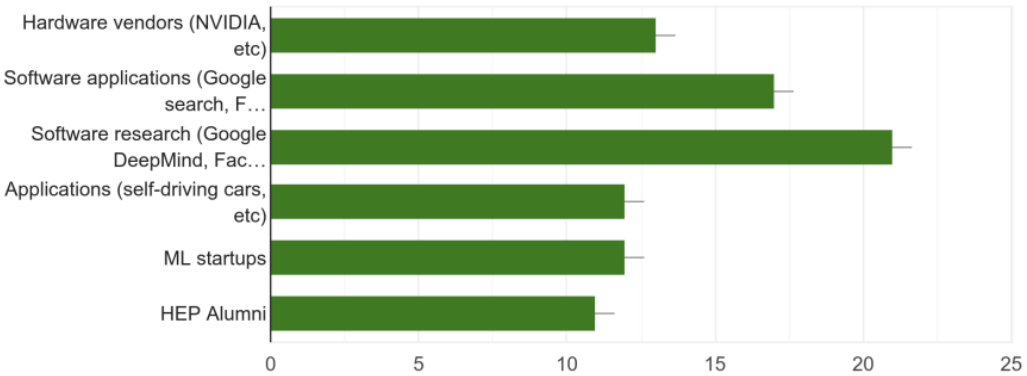
How many industry talks would you prefer?

27 Antworten



Do you have any general suggestions of who to invite next year?

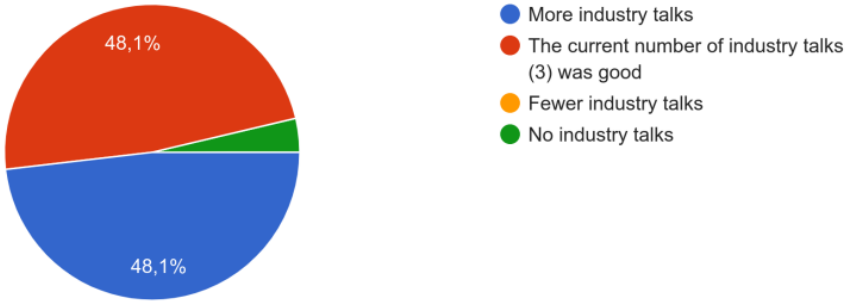
25 Antworten



Industry session

How many industry talks would you prefer?

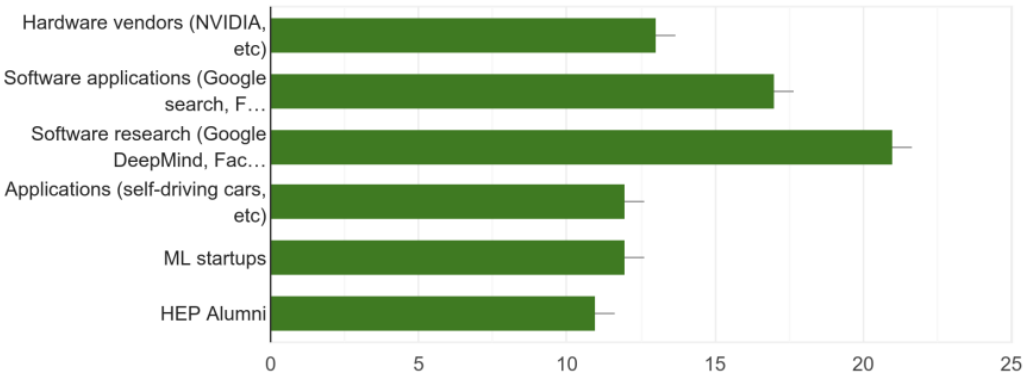
27 Antworten



Will look for 3 to 4 industry talks from mixed companies

Do you have a

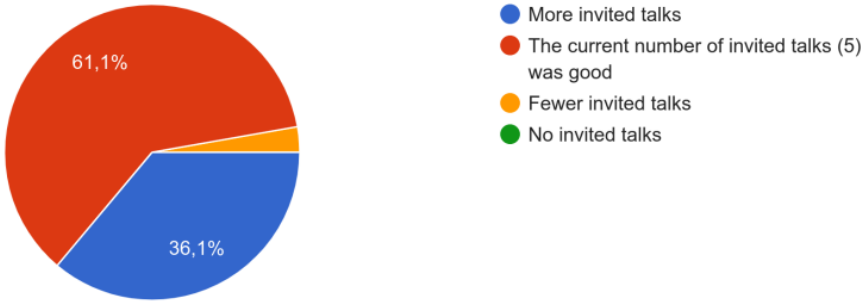
25 Antworten



Invited talks

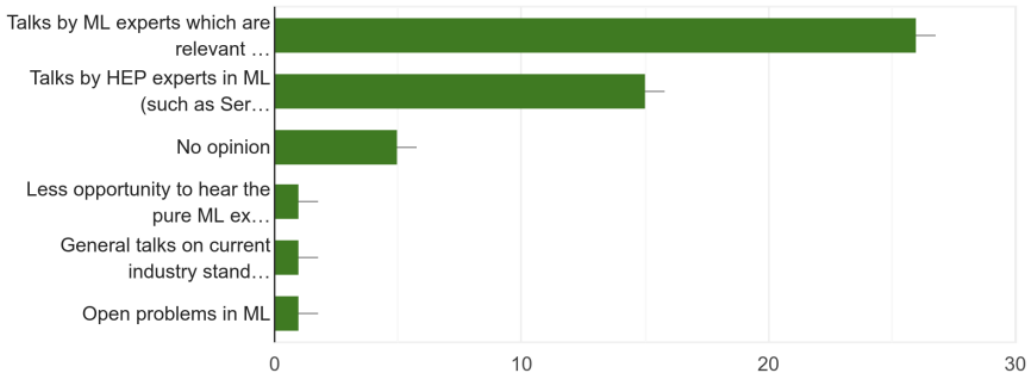
How many invited talks would you prefer?

36 Antworten



What type of invited talks would you like to see in the future?

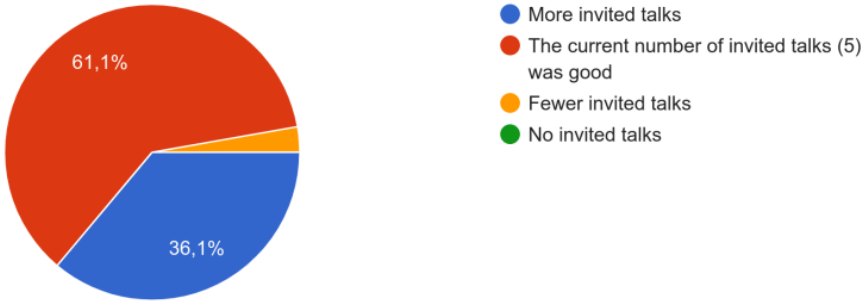
36 Antworten



Invited talks

How many invited talks would you prefer?

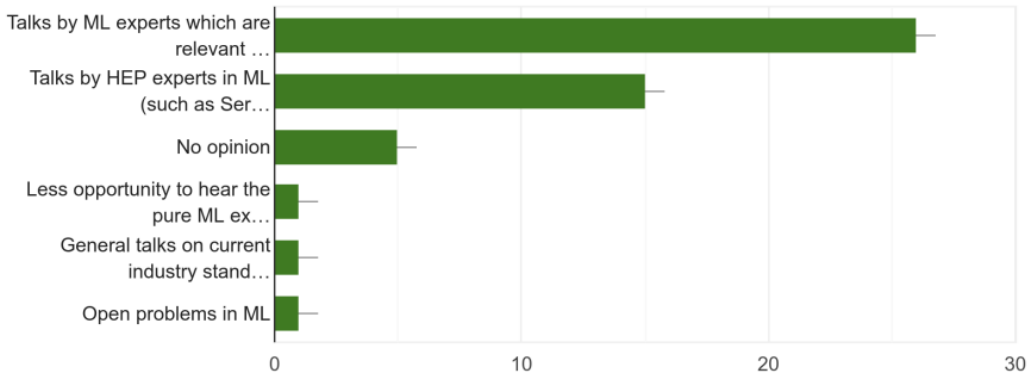
36 Antworten



Some preference for ML experts over HEP experts
$\rightarrow$ keep inviting both

What type of i

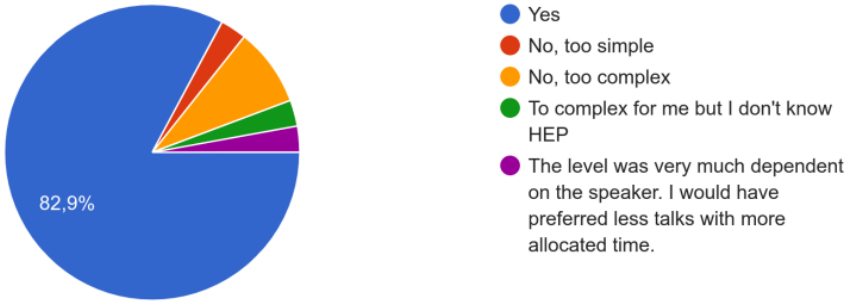
36 Antworten



Physics sessions

Do you think that the talks were generally at the right level?

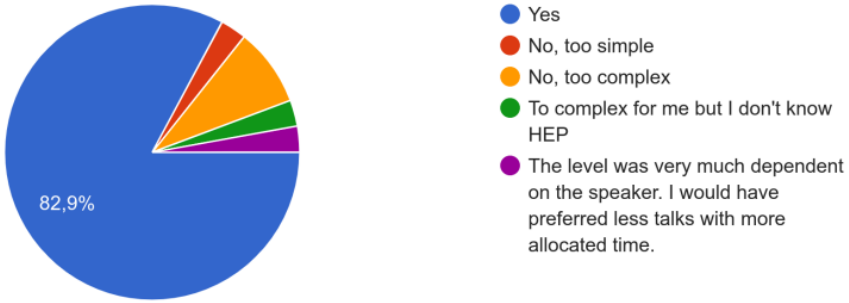
35 Antworten



Physics sessions

Do you think that the talks were generally at the right level?

35 Antworten



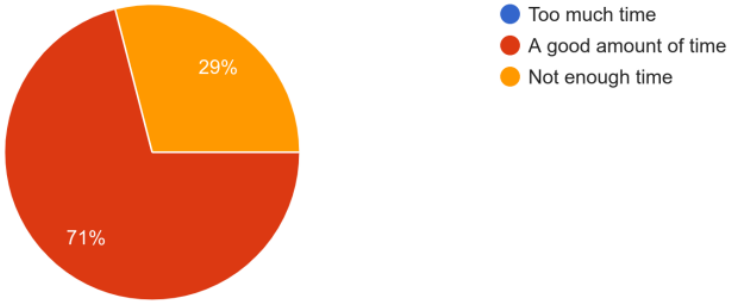
Obviously varies from talk to talk, but overall you managed to prepare your presentations on the right level.

Thanks you!

Tutorials

Do you think that enough time was allocated to tutorials?

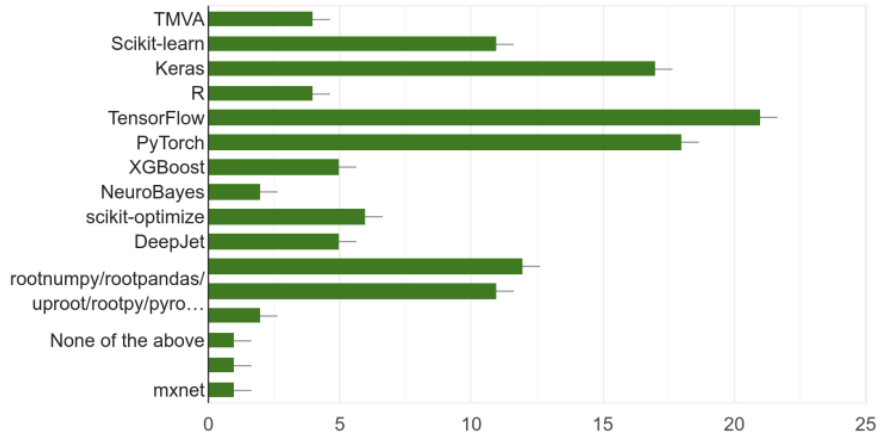
31 Antworten



Tutorials

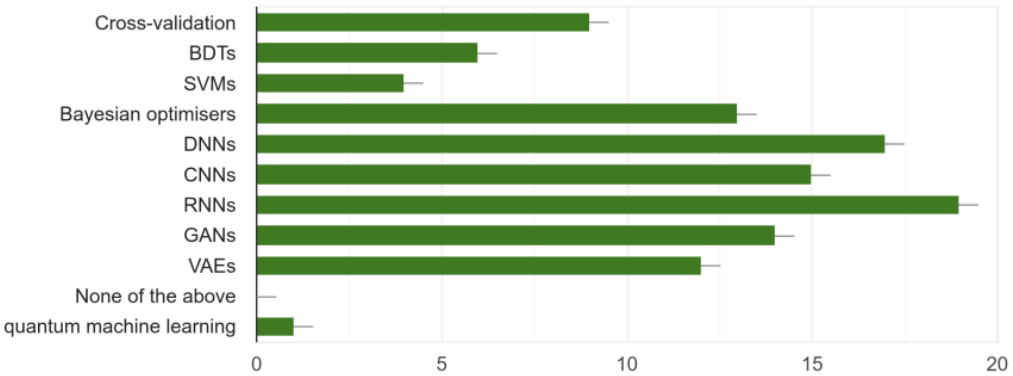
Which software tutorials would you like to see in the future?

31 Antworten



Which conceptual tutorials would you like to see in the future?

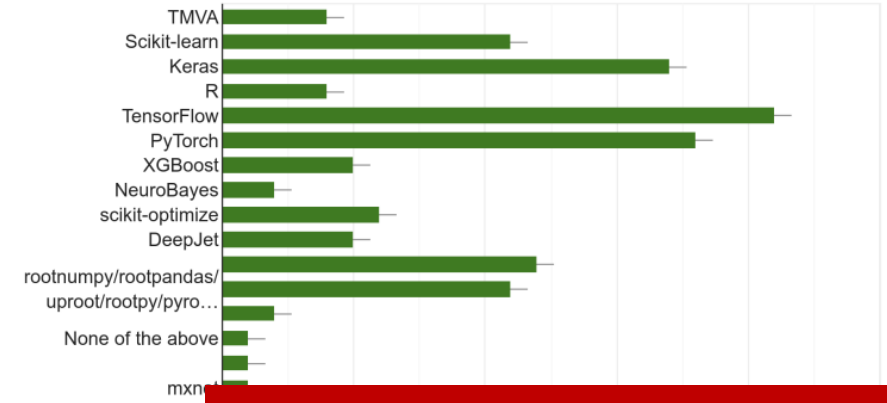
31 Antworten



Tutorials

Which software tutorials would you like to see in the future?

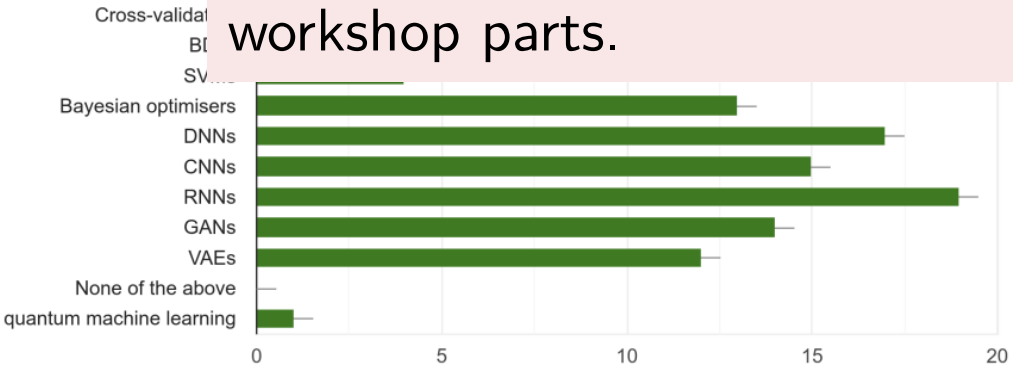
31 Antworten



Hard to get the time slots for tutorials right (not everybody will attend). Some suggestions to have the tutorials before rather than after the other workshop parts.

Which concep

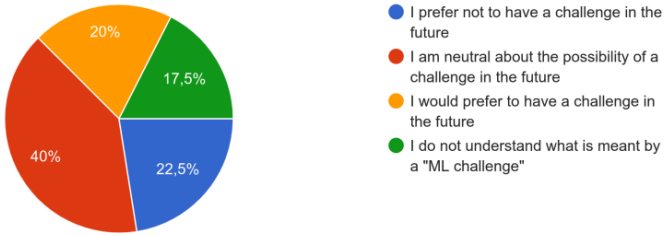
31 Antworten



Bonus items on the agenda

This year we did not hold a "ML challenge" in order to prioritize other aspects of the workshop. What do you think of this choice?

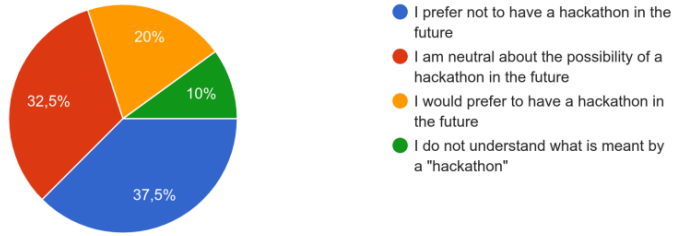
40 Antworten



Challenge: a data mining task is published, participants should solve it with ML, maximising a figure of merit. Like Kaggle.

This year we did not hold a "hackathon" in order to prioritize other aspects of the workshop. What do you think of this choice?

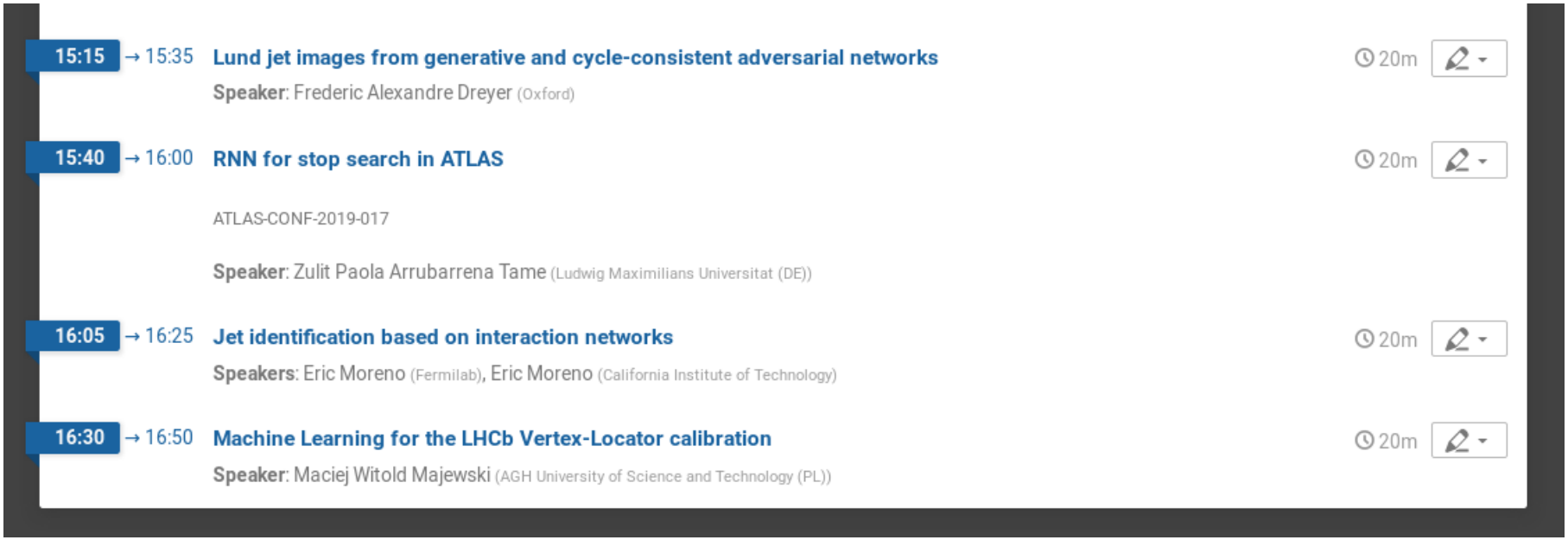
40 Antworten



Hackathon: participants sit in a room, no talks / discussion, just collaborating in working on some task. Ability to ask others for help, suggestions.

time budget

- In most categories the feedback asks for the same amount of time or some more
- At the same time, the feedback says the the overall workshop length is about right
  (didn't look into the correlation of these questions yet)


15:15 → 15:35 Lund jet images from generative and cycle-consistent adversarial networks
20m
Speaker: Frederic Alexandre Dreyer (Oxford)
15:40 → 16:00 RNN for stop search in ATLAS
20m
ATLAS-CONF-2019-017
Speaker: Zulit Paola Arrubarrena Tame (Ludwig Maximilians Universitat (DE))
16:05 → 16:25 Jet identification based on interaction networks
20m
Speakers: Eric Moreno (Fermilab), Eric Moreno (California Institute of Technology)
16:30 → 16:50 Machine Learning for the LHCb Vertex-Locator calibration
20m
Speaker: Maciej Witold Majewski (AGH University of Science and Technology (PL))

slides (excl. cern logo) will appear on

https://gitlab.cern.ch/pseyfert/slides-imlnews-2019-10-09