IML meeting – NEWS

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

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.
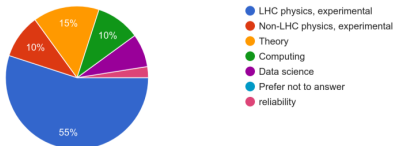
IML workshop 2020

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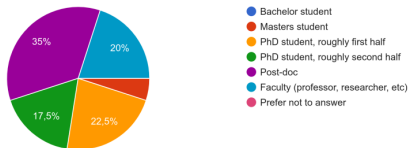More news once things are fixed.

What community do you come from?

40 Antworten

- LHC physics, experimental
- Non-LHC physics, experimental
- Theory
- Computing
- Data science
- Prefer not to answer
- reliability

What is your current career status?

40 Antworten

- Bachelor student
- Masters student
- PhD student, roughly first half
- PhD student, roughly second half
- Post-doc
- Faculty (professor, researcher, etc)
- Prefer not to answer

What community do you come from?
40 Antworten

- LHC physics, experimental — 55%
- Non-LHC physics, experimental — 10%
- Theory — 15%
- Computing — 10%
- Data science
- Prefer not to answer
- reliability
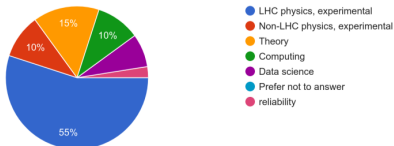
about half of the participants not LHC physicists

What is your current career status?
40 Antworten
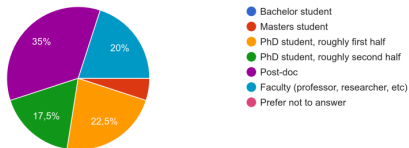
- Bachelor student — 20%
- Masters student — 22.5%
- PhD student, roughly first half
- PhD student, roughly second half — 17.5%
- Post-doc — 35%
- Faculty (professor, researcher, etc)
- Prefer not to answer

Did you participate remotely or locally?

40 Antworten

- Vidyo
- Webcast
- Local

70%

22,5%

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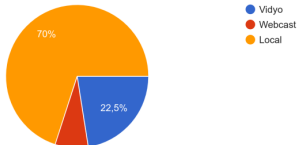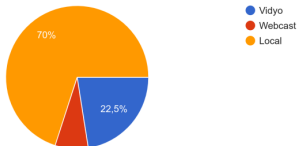
possibility for remote participation is used

How many industry talks would you prefer?

27 Antworten

- More industry talks
- The current number of industry talks (3) was good
- Fewer industry talks
- No industry talks

48,1%

48,1%
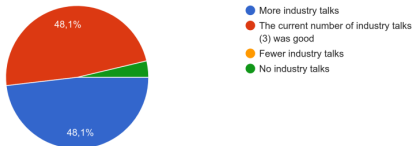
Do you have any general suggestions of who to invite next year?

25 Antworten

Hardware vendors (NVIDIA, etc)
Software applications (Google search, F...
Software research (Google DeepMind, Fac...
Applications (self-driving cars, etc)
ML startups
HEP Alumni

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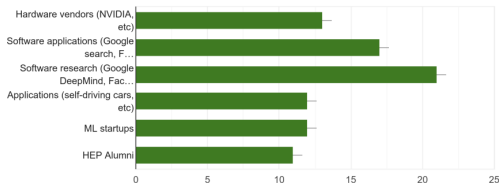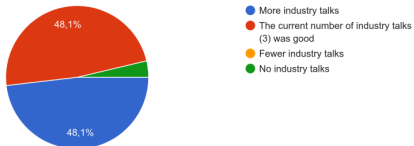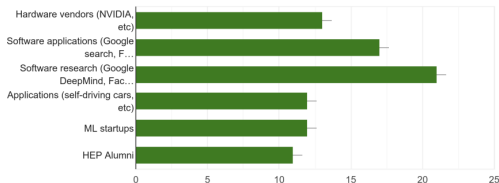
Will look for 3 to 4 industry talks from mixed companies

Do you have a

25 Antworten

How many invited talks would you prefer?

36 Antworten

- More invited talks
- The current number of invited talks (5) was good
- Fewer invited talks
- No invited talks
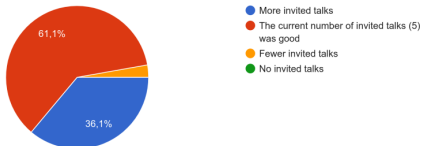
What type of invited talks would you like to see in the future?

36 Antworten

How many invited talks would you prefer?
36 Antworten

- More invited talks
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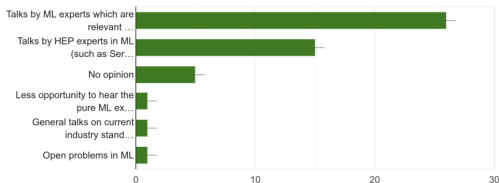- Fewer invited talks
- No invited talks
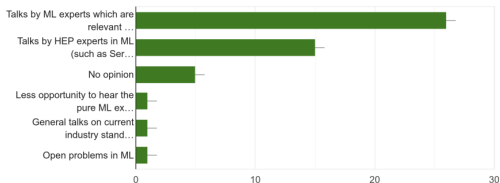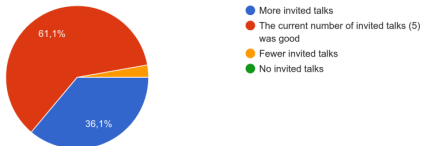
Some preference for ML experts over HEP experts
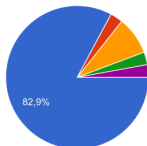→ keep inviting both

What type of i
36 Antworten

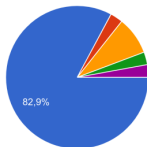Do you think that the talks were generally at the right level?

35 Antworten

- Yes
- No, too simple
- No, too complex
- To complex for me but I don't know HEP
- The level was very much dependent on the speaker. I would have preferred less talks with more allocated time.

82,9%

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

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- No, too complex
- To complex for me but I don't know HEP
- The level was very much dependent on the speaker. I would have preferred less talks with more allocated time.

82,9%

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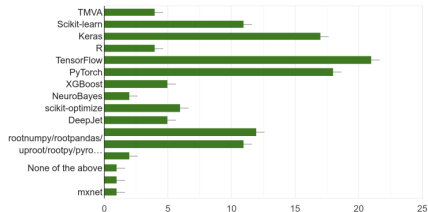Thanks you!

Do you think that enough time was allocated to tutorials?

31 Antworten

- Too much time
- A good amount of time
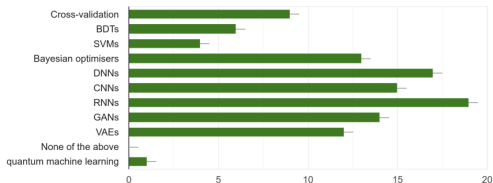- Not enough time

29%

71%
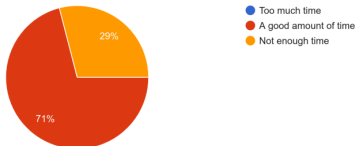
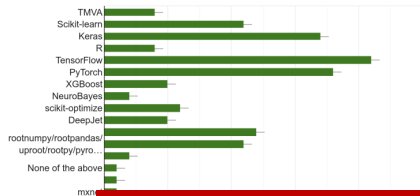Which software tutorials would you like to see in the future?

31 Antworten

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

31 Antworten

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

31 Antworten

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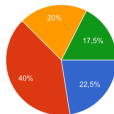
Which concep

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?
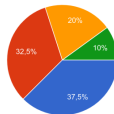
40 Antworten

- I prefer not to have a challenge in the future
- I am neutral about the possibility of a challenge in the future
- I would prefer to have a challenge in the future
- I do not understand what is meant by a "ML challenge"

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

- I prefer not to have a hackathon in the future
- I am neutral about the possibility of a hackathon in the future
- I would prefer to have a hackathon in the future
- I do not understand what is meant by a "hackathon"

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

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

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