

Closing remarks

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IML workshop
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A great first IML workshop

- In the end, we have nearly 300 registered participants
- 20 talks, industry panel, CWP discussion, challenge, and 4 tutorials
- We can't possibly cover all of the fantastic contributions!



- Time and place: April 28 in this room or on vidyo
- Topic: open format
 - Let us know if you have something interesting to present
- Agenda (to be filled): <https://indico.cern.ch/event/616790/>

- We had a lot of great input and involvement on Monday
 - If you can, look at the documents again and add further thoughts
 - Make sure to add your name to be included on the final author list
- If you are interested in further participating in the CWP effort:
 - Sign up to the google group: hsf-cwp-machine-learning@googlegroups.com
 - Note that **default subscription policy is to not send you emails**
 - To change this, sign into google groups and specify that you want to receive emails whenever a message is posted on the group
- A follow-up meeting is being planned for the upcoming weeks
 - Please sign up to the list now to not miss the announcement!
- We plan to engage/work together with the intensity frontier
 - See HEPMachineLearning on slack

- 42 forks in gitlab
- 64 people on the mattermost chat
- Some people started from scratch, others built on examples
- Best methods use a combination of high level features and engineered + preprocessed variables
- 11 submissions from 10 people
- We did not have the time to re-run submissions, but we checked code
- Repository got a bit messy, will be cleaned up in coming days

Challenge results

user	submission time	score	method	tool
Mauro Verzetti	10:04	0.79543	DNN + HL features	Keras / sklearn
Michael Andrews	14:17	0.79214	3 layer NN + HL features	Kears / sklearn
Giles Chatham Strong	3:25	0.79158	XGBoostClassifier	rep / sklearn / XGBoost

- The winner gets a bottle of champagne and a round-trip ticket to CERN to present a talk in person at an upcoming IML meeting
- Thank you to everyone for participating in the challenge!
 - This was a first attempt at having a benchmark dataset
 - We definitely welcome your feedback on how to improve in the future

Thank you to everyone who made this possible!

- Our gracious sponsors and supporters:
 - LHC Physics Centre at CERN (LPCC)
 - Michelangelo Mangano
 - Michelle Connor
 - Nanie Perrin and Angela Ricci
- People who switched rooms with us:
 - Stefania Bordon
 - Guy Wilkinson and Monica Pepe-Altarelli
 - Maureen Prola-Tessaur
 - Marina Cobal and Claudio Bortolin
 - Eric Feng
- The LHC experiments for their support
- Everyone who participated - you made this workshop!

- It was a great pleasure to talk with everyone over the past three days
- If you haven't already, please sign up to the IML list to keep in touch
 - CERN egroup: lhc-machinelearning-wg@cern.ch
- Many interesting ideas were presented; we had lots of good discussions
 - It would be great to see you take some ideas home and come back with follow-up studies at a future IML meeting!
- We hope that you enjoyed the workshop as much as we did!
- We look forward to seeing you next time!
- Please help us improve for the future and fill out [this form](#)
 - Fully anonymous, so please be honest! We want your feedback!

Thank you for coming!

Have a safe trip home!