

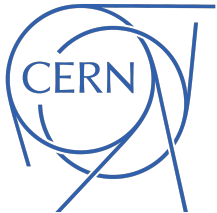
IML News

IML Coordinators:

Anja Butter (TH), Stefano Carrazza (TH), **Fabio Catalano (ALICE)**, Julián García Pardiñas (LHCb), Lorenzo Moneta (SFT), Pietro Vischia (CMS), Daniel Whiteson (ATLAS)

IML Working Group Meeting

June 11, 2024



Today's meeting

➤ Open topic meeting

IML Machine Learning Working Group

Tuesday 11 Jun 2024, 15:00 → 18:00 Europe/Zurich

13/3-005 (CERN)

Description: Open topic

Videoconference: [Join](#) IML Machine Learning Working Group

15:00 → 15:05 **News** (5m)

Speakers: Anja Butter (Centre National de la Recherche Scientifique (FR)), Daniel Whiteson (University of California Irvine (US)), Fabio Catalano (CERN), Julian Garcia Pardinás (CERN), Lorenzo Moneta (CERN), Dr Pietro Vischia (Universidad de Oviedo and Instituto de Ciencias y Tecnologías Espaciales de Asturias (ICTEA)), Stefano Carrazza (CERN)

15:05 → 15:25 **Equivariant neural networks for robust CP observables** (20m)

<https://arxiv.org/abs/2405.13524>

Speaker: Sergio Sanchez Cruz (CERN)

15:25 → 15:30 **Discussion** (5m)

15:30 → 15:50 **A Language Model for Particle Tracking: TrackingBERT and TrackingSort** (20m)

<https://arxiv.org/abs/2402.10239>

Speaker: Xiangyang Ju (Lawrence Berkeley National Lab. (US))

15:50 → 15:55 **Discussion** (5m)

Upcoming events

- **France-Berkeley PHYSTAT Conference on Unfolding**
 - 10-13 June (**ongoing**), Paris (France), <https://indico.cern.ch/event/1357972/>
 - Remote participation possible, no fee required
- **Machine Learning for Fundamental Physics School**
 - 12-16 Aug, Berkeley (USA), <https://indico.physics.lbl.gov/event/2850/>
- **Fourth MODE Workshop on Differentiable Programming for Experiment Design**
 - 23-25 September, Valencia (Spain), <https://indico.cern.ch/event/1380163/>
 - Call for abstracts open, deadline on July 15
- **AI goes MAD Workshop**
 - 14-16 Oct, Madrid (Spain), <https://workshops.ift.uam-csic.es/AI2024>
 - Deadline for registration and abstract submission: June 30

Next IML meeting

➤ Next IML meeting

- Topic for next IML meeting not yet decided
- Contact us at iml.coordinators@cern.ch if you are interested in presenting or want to propose a topic!

➤ Useful links

- IML meetings → <https://iml.web.cern.ch/meetings>
- IML mailing list → <https://iml.web.cern.ch/forum>