

News

IML Meeting: Chatbots at CERN

1st of July, 2025, CERN

Anja Butter, Daniel Whiteson, Fabio Catalano, Julian Garcia Pardinias, Lee Barnby, Lorenzo Moneta, Matthias Komm, Michał Mazurek, Sofia Vallecorsa, Stefano Carrazza, Verena Kain

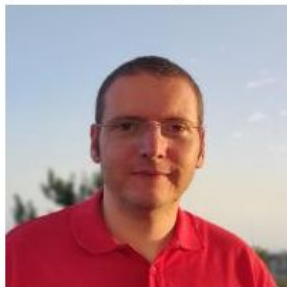
News

The IML coordinators

Lorenzo Moneta (SFT)



Stefano Carrazza (TH)



Anja Butter (TH)



Big thanks

to the outgoing coordinators

Fabio Catalano (ALICE)

Pietro Vischia (CMS)

Julian Garcia Pardinias (LHCb)

Daniel Whiteson (ATLAS)



Lee Barnby (ALICE)



Michał Mazurek (LHCb)



Matthias Komm (CMS)



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Further contact with the IML group

<https://iml.web.cern.ch>



“The Inter-experimental Machine Learning (IML) Working Group provides a forum for the machine learning community at the LHC. It brings together scientists from the LHC experiments, connects them to the data science community, fosters inter-experimental common solutions, and provides training and benchmarks.”

- General mailing list (self-subscription): lhc-machinelearning-wg@NOSPAMcern.ch
- The IML WG organises the annual IML Machine Learning Workshop
- We organize monthly meetings on a variety of topics: <https://iml.web.cern.ch/meetings>
↳ Please contact us (iml.coordinators@NOSPAMcern.ch) if you would like to share your work or propose a topic for a future meeting!

Today: Chatbots at CERN

15:00	→ 15:05	News	🕒 5m	🗨️
Speakers: Michal Mazurek (National Centre for Nuclear Research (PL)), Lorenzo Moneta (CERN), Anja Butter, Daniel Whiteson (University of California Irvine (US)), Lee Barnby (University of Derby (GB)), Matthias Komm (Deutsches Elektronen-Synchrotron (DE))				
15:05	→ 15:25	AccGPT: A CERN LLM Service Pilot and Knowledge Retrieval Model	🕒 20m	🗨️
Speaker: Dr Florian Rehm (CERN)				
15:25	→ 15:30	Discussion	🕒 5m	
15:30	→ 15:50	Starting a common effort towards a CERN LLM	🕒 20m	🗨️
Speaker: Maurizio Pierini (CERN)				
15:50	→ 15:55	Discussion	🕒 5m	
15:55	→ 16:15	Leveraging Chatbots in daily HEP work - Open Source and Commercial	🕒 20m	🗨️
Speaker: Gordon Watts (University of Washington (US))				
16:15	→ 16:20	Discussion	🕒 5m	
16:20	→ 16:40	chATLAS: An AI assistant for the ATLAS collaboration	🕒 20m	🗨️
Speakers: Joe Egan (University College London), Daniel Thomas Murnane (Niels Bohr Institute, University of Copenhagen)				
16:40	→ 16:50	TARP: Twikis for ATLAS using RAG Protocols	🕒 10m	🗨️
Speaker: Pratik Jawahar (University of Manchester (UK - ATLAS))				
16:50	→ 16:55	Discussion	🕒 5m	
16:55	→ 17:15	HEPilot: Integrating Embeddings, Vector Search, and RAG for Physics Use Case	🕒 20m	🗨️
Speakers: Michael David Sokoloff (University of Cincinnati (US)), Mohamed Elashri (University of Cincinnati)				
17:15	→ 17:20	Discussion	🕒 5m	
17:20	→ 17:40	Towards Control Room Automation with a Chatbot for DAQ and Shifter Assistance	🕒 20m	🗨️
Speakers: Luigi Podda (CERN), Sylvain Chapeland (CERN)				
17:40	→ 17:45	Discussion	🕒 5m	