

ATLAS & CMS MLOps Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Software: Model matadata and Cond DB interface

Monday 2 June 2025 09:15 (45 minutes)

Presenter: VALSECCHI, Davide (ETH Zurich (CH))

Session Classification: MLOps in CMS

Contribution ID: 2

Type: **not specified**

Firmware: Reconfigurable FW and monitoring

Monday 2 June 2025 10:00 (45 minutes)

Presenter: BROWN, Christopher Edward (CERN)

Session Classification: MLOps in CMS

Contribution ID: 3

Type: **not specified**

Hardware: Infrastructure for ML deployment

Monday 2 June 2025 11:00 (45 minutes)

Presenters: HANSEN, Hannes Jakob; GLOWACKI, Maciej Mikolaj (CERN); CHIORESCU, Raulian-Ionut; ROCHA, Ricardo (CERN)

Session Classification: MLOps in CMS

Contribution ID: 4

Type: **not specified**

Training: Strategies for training models deployed under evolving detector conditions

Monday 2 June 2025 13:20 (15 minutes)

Presenter: BROWN, Christopher Edward (CERN)

Session Classification: Open Session - Discussion

Contribution ID: 5

Type: **not specified**

Model Logistics: Managing models through software, firmware, and back to software again

Monday 2 June 2025 14:20 (15 minutes)

Presenter: XIOTIDIS, Ioannis (CERN)

Session Classification: Open Session - Discussion

Contribution ID: 6

Type: **not specified**

Data Flow: Handling data conversions and distributed, heterogeneous computing environments

Monday 2 June 2025 15:20 (15 minutes)

Presenters: KERNER, Leon Joel (CERN | Rheinisch Westfaelische Tech. Hoch. (DE)); GLOWACKI, Maciej Mikolaj (CERN)

Session Classification: Open Session - Discussion

Contribution ID: 7

Type: **not specified**

Open Floor: Discussion & Questions

Monday 2 June 2025 13:35 (45 minutes)

Session Classification: Open Session - Discussion

Contribution ID: 8

Type: **not specified**

Open Floor: Discussion & Questions

Monday 2 June 2025 14:35 (45 minutes)

Session Classification: Open Session - Discussion

Contribution ID: 9

Type: **not specified**

Open Floor: Discussion & Questions

Monday 2 June 2025 15:35 (45 minutes)

Session Classification: Open Session - Discussion

Contribution ID: **10**

Type: **not specified**

Software: Data generation and pythonisation

Monday 2 June 2025 10:00 (15 minutes)

Presenter: CARNESALE, Maria (CERN)

Session Classification: MLOps in ATLAS

Contribution ID: **11**

Type: **not specified**

Firmware: ML integration into Athena

Monday 2 June 2025 09:15 (15 minutes)

Presenter: JIA, Kenny (Stanford University/SLAC)

Session Classification: MLOps in ATLAS

Contribution ID: **12**

Type: **not specified**

Hardware: Infrastructure for developing ML

Monday 2 June 2025 11:00 (15 minutes)

Presenter: ROJAS CABALLERO, Rimsky Alejandro (CERN)

Session Classification: MLOps in ATLAS

Contribution ID: 13

Type: **not specified**

Discussion: Bitwise ML simulation

Monday 2 June 2025 09:30 (30 minutes)

Presenter: XIOTIDIS, Ioannis (CERN)

Session Classification: MLOps in ATLAS

Contribution ID: 14

Type: **not specified**

Discussion: Pythonisation of training files

Monday 2 June 2025 10:15 (30 minutes)

Presenter: XIOTIDIS, Ioannis (CERN)

Session Classification: MLOps in ATLAS

Contribution ID: 15

Type: **not specified**

Discussion: Hardware for ML deployment

Monday 2 June 2025 11:15 (30 minutes)

Presenter: XIOTIDIS, Ioannis (CERN)

Session Classification: MLOps in ATLAS