

Heterogeneous Architectures in WLCG



Report of Contributions

Contribution ID: 1

Type: **not specified**

LHCb

Wednesday, 3 December 2025 09:15 (25 minutes)

Presenter: STAGNI, Federico (CERN)

Session Classification: Progress of Experiments and Software Projects

Contribution ID: 2

Type: **not specified**

ATLAS

Wednesday, 3 December 2025 09:55 (25 minutes)

Presenter: MOYSE, Edward (University of Massachusetts (US))

Session Classification: Progress of Experiments and Software Projects

Contribution ID: 3

Type: **not specified**

ALICE

Wednesday, 3 December 2025 11:10 (25 minutes)

Presenter: CHAKABERIA, Irakli (Lawrence Berkeley National Lab. (US))

Session Classification: Progress of Experiments and Software Projects

Contribution ID: 4

Type: **not specified**

CMS

Wednesday, 3 December 2025 11:50 (25 minutes)

Presenter: KORAKA, Charis Kleio (University of Wisconsin Madison (US))

Session Classification: Progress of Experiments and Software Projects

Contribution ID: 5

Type: **not specified**

Adept detector simulation

Wednesday, 3 December 2025 14:00 (15 minutes)

Presenter: DIEDERICHS, Severin (CERN)

Session Classification: Progress of Experiments and Software Projects

Contribution ID: 6

Type: **not specified**

Celeritas detector simulation

Wednesday, 3 December 2025 14:30 (15 minutes)

Presenter: JOHNSON, Seth (Oak Ridge National Laboratory (US))

Session Classification: Progress of Experiments and Software Projects

Contribution ID: 7

Type: **not specified**

Next Generation Triggers Work Package 1: feasible ML inference in grid production

Thursday, 4 December 2025 11:00 (15 minutes)

Presenter: NAUMANN, Axel (CERN)

Session Classification: AI/ML activities

Contribution ID: 8

Type: **not specified**

Madgraph event generation

Wednesday, 3 December 2025 16:00 (15 minutes)

Presenter: MASSARO, Daniele (CERN)

Session Classification: Progress of Experiments and Software Projects

Contribution ID: 9

Type: **not specified**

Benchmarking - status, plans and key milestones

Thursday, 4 December 2025 14:00 (20 minutes)

Presenter: GIORDANO, Domenico (CERN)

Session Classification: Offering from Sites and requirements for future provisioning

Contribution ID: **10**

Type: **not specified**

Pepper (Sherpa on GPU) event generation

Wednesday, 3 December 2025 16:30 (15 minutes)

Presenter: KNOBBE, Max (Fermilab)

Session Classification: Progress of Experiments and Software Projects

Contribution ID: 11

Type: **not specified**

Experience in Italy and UK

Thursday, 4 December 2025 14:30 (15 minutes)

Presenters: JASHAL, Brij Kishor (Rutherford Appleton Laboratory); CESINI, Daniele (Universita e INFN, Bologna (IT))

Session Classification: Offering from Sites and requirements for future provisioning

Contribution ID: 12

Type: **not specified**

Experience in Germany

Thursday, 4 December 2025 14:50 (15 minutes)

Presenter: SHADSKIY, Nikita (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Offering from Sites and requirements for future provisioning

Contribution ID: 13

Type: **not specified**

Experience in U.S. (CMS)

Thursday, 4 December 2025 16:00 (15 minutes)

Presenter: HUFNAGEL, Dirk (Fermi National Accelerator Lab. (US))

Session Classification: Offering from Sites and requirements for future provisioning

Contribution ID: 14

Type: **not specified**

Experience in U.S. (ATLAS)

Thursday, 4 December 2025 16:20 (15 minutes)

Presenter: WANG, Rui (Argonne National Laboratory (US))

Session Classification: Offering from Sites and requirements for future provisioning

Contribution ID: 15

Type: **not specified**

Experience at CERN

Thursday, 4 December 2025 15:10 (15 minutes)

Presenter: JONES, Ben (CERN)

Session Classification: Offering from Sites and requirements for future provisioning

Contribution ID: 16

Type: **not specified**

Provisioning and Pledge Discussion

Thursday, 4 December 2025 16:40 (40 minutes)

e.g., SONIC

Presenters: KONDRATYEV, Dmitry (Purdue University (US)); WALKER, Rodney (Ludwig Maximilians Universität (DE))

Session Classification: Offering from Sites and requirements for future provisioning

Contribution ID: 17

Type: **not specified**

Root and GPUs

Wednesday, 3 December 2025 15:00 (15 minutes)

Presenter: PIPARO, Danilo (CERN)

Session Classification: Progress of Experiments and Software Projects

Contribution ID: **18**

Type: **not specified**

Introduction

Wednesday, 3 December 2025 09:00 (10 minutes)

Presenters: DI GIROLAMO, Alessandro (CERN); LETTS, James (Univ. of California San Diego (US))

Session Classification: Progress of Experiments and Software Projects

Contribution ID: **19**

Type: **not specified**

Introduction

Thursday, 4 December 2025 09:00 (10 minutes)

Presenter: MONETA, Lorenzo (CERN)

Session Classification: AI/ML activities

Contribution ID: 20

Type: **not specified**

Experience in Multi-GPU Training (ATLAS) TBC

Session Classification: AI/ML activities

Contribution ID: **21**

Type: **not specified**

Experience in Multi-GPU Training (CMS) TBC

Session Classification: AI/ML activities

Contribution ID: 22

Type: **not specified**

ML - experience on inference and training in ATLAS

Thursday, 4 December 2025 09:10 (25 minutes)

Presenter: JU, Xiangyang (Lawrence Berkeley National Lab. (US))

Session Classification: AI/ML activities

Contribution ID: 23

Type: **not specified**

Accelerating ML training and Hyperparameter Optimization with HPC

Thursday, 4 December 2025 09:50 (25 minutes)

Presenter: WULFF, Eric (CERN)

Session Classification: AI/ML activities

Contribution ID: 24

Type: **not specified**

CERN ML Infrastructure

Thursday, 4 December 2025 11:20 (20 minutes)

Presenter: ROCHA, Ricardo (CERN)

Session Classification: AI/ML activities

Contribution ID: 25

Type: **not specified**

Large Physics Models

Thursday, 4 December 2025 11:50 (20 minutes)

Presenter: CARON, Sascha (Nikhef National institute for subatomic physics (NL))

Session Classification: AI/ML activities