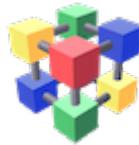## Session Program

5–9 May 2025

WLCG/HSF Workshop 2025

Plenary

IJCLab, Paris, Auditorium P. Lehmann, Building 200
Domaine Universitaire Building 200 91400 Orsay

Monday 5 May

12:00

Plenary: Registration + Welcome Drink
Session |
Location: IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

13:30

13:30

Plenary: Opening
Session |
Location: IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay |
Conveners: Michel Jouvin, Simone Campana

13:30–13:45 **Welcome in Orsay**

Speakers

Michel Jouvin, Valerie CHAMBERT

13:45–14:05 **Introduction - WLCG**

Speakers

David Britton, Simone Campana, Tommaso Boccali

14:10–14:30 **Introduction - HSF**

Speakers

Eduardo Rodrigues, Paul James Laycock

14:35

14:35

Plenary: AI and WLCG/HSF
Session |
Location: IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay |
Conveners: Alessandro Di Girolamo, Paul James Laycock

14:35–14:40 **AI & WLCG/HSF - scope of the session**

Speakers

Alessandro Di Girolamo, Paul James Laycock

14:40–15:05 **AI and Facilities**

Speaker

Ilija Vukotic

15:15–15:45 **coffee/tea break**

15:45–16:10 **AI/ML for Physics use cases**

Speaker

Tommaso Boccali

16:20–16:45 **Heterogeneous resources and experiment software**

Speaker

Paolo Calafiura

16:55–17:15 **Facility view: Heterogeneous resources deployment and usage**

Speakers

Ben Jones, Rodney Walker

17:40

17:20–17:40 **Discussion**

Tuesday 6 May

13:45

Plenary: Analysis at scale and analysis challenges
Session |
Location: IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay |
Conveners: Dr Nicole Skidmore, Alessandra Forti

13:45–14:15 Responding Faster: Lessons from a security incident
Speaker
Jose Carlos Luna Duran

14:15–14:30 User experience
Speaker
Albert Gyorgy Borbely

14:30–14:45 CMS analysis facility contribution
Speaker
Oksana Shadura

14:45–15:00 ATLAS analysis facility contribution
Speaker
Emma Torro Pastor

15:00–15:30 Understanding the scale of HL-LHC physics analyses
Speakers
Alexander Held, Oksana Shadura

15:30–16:00 Coffee break

16:00–16:15 LHCb analysis facility contribution
Speaker
Dr Nicole Skidmore

16:15–16:30 ALICE analysis facility contribution
Speaker
Maarten Litmaath

16:30–16:50
Exploiting extremely-parallel technologies for future large-scale physics analyses demands
Speaker
Jonas Rembser

16:50–17:05 Proposal for Interdisciplinary Analysis Facilities
Speaker
Thomas Hartmann

17:05–17:45
Analysis at the HL-LHC: Data Delivery, ServiceX, and Addressing Our Analysis Challenges

18:25

Speaker
Gordon Watts

Thursday 8 May

09:00

Plenary: Environmental Sustainability
Session |
Location: IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay |
Conveners: David Britton, Caterina Doglioni

09:00–09:15   Introduction

Speakers

Caterina Doglioni, David Britton

Location

IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

09:18–09:33   Power Accounting in Heterogeneous Compute Clusters

Speaker

Emanuele Simili

Location

IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

09:36–09:51   Enhancing Job Monitoring with Power Consumption Metrics

Speakers

Domenico Giordano, Natalia Diana Szczepanek

Location

IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

09:54–10:04   Energy saving measures during peak summer at DESY

Speaker

Thomas Hartmann

Location

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10:07–10:17
GreenDIGIT: updates from the WLCG Environmental Sustainability Workshop

Speaker

Gergely Sipos

Location

IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

10:20–10:40   Discussion on power accounting benchmarks part 1: sites perspective

Location

IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

10:43–11:10   Coffee break

11:10–11:25   Green software in HEP: benchmarks and studies on MC generators

Speakers

Luis Villar, Tobias Fitschen

Location

IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

11:30–11:40

Environmental impact, carbon and sustainability of computing in the ATLAS experiment

Speaker

Rodney Walker

Location

IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

11:45–11:55 **Environmental impact of computing in LHCb**

Speakers

Francesco Sborzacchi, Henryk Giemza, Henryk Giemza

Location

IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

11:55–12:30

Discussion on power accounting and beyond part 2: inputs from sites, users and experimental collaborations

Location

IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

12:30

Friday 9 May

09:30

Plenary: Closing
Session |
Location: IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

09:30–09:50   Computing Challenges for the Einstein Telescope

Speaker
Paul James Laycock

Location
IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

09:50–10:05   Recap and next steps - DOMA and WLCG Ops

Speakers
Katy Ellis, Panos Paparrigopoulos

Location
IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

10:05–10:20   Recap and next steps - WLCG/HSF Sustainability

Speakers
Caterina Doglioni, David Britton

Location
IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

10:20–10:50   Coffee break

10:50–11:05   Recap and next steps - HSF

Speaker
Graeme A Stewart

Location
IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

11:05–11:20   Recap and next steps - WLCG Technical Coordination

Location
IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

11:20–11:35   Recap and next steps - Analysis at scale

Speakers
Alessandra Forti, Dr Nicole Skidmore

Location
IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

11:35–11:45   Some final words ...

Location
IJCLab, Paris, Auditorium P. Lehmann, Building 200, Domaine Universitaire Building 200 91400 Orsay

12:00