

Session Program

May 23 - 25, 2022

Analysis Ecosystem Workshop II

Plenary

IJCLab, Auditorium Joliot Curie

Laboratoire de Physique des 2 infinis Irène Joliot-Curie - IJCLab Building 100A 15 rue Georges Clémenceau, 91405 Orsay France (access to the auditorium is from the parking area)

Mon, May 23

9:00 AM

Plenary

Session |

Location: IJCLab, Auditorium Joliot Curie, Laboratoire de Physique des 2 infinis Irène Joliot-Curie - IJCLab Building 100A 15 rue Georges Clémenceau, 91405 Orsay France (access to the auditorium is from the parking area)

9:00 - 9:15 AM **Welcome**

Speakers

Michel Jouvin, Valerie Chambert, Valérie Chambert

9:15 - 9:45 AM **Introduction to the Workshop**

Speaker

Dr Graeme A Stewart

9:45 - 10:00 AM **New Advances in Analysis Facilities**

Speaker

Robert Gardner

10:00 - 10:15 AM **Analysis frameworks and Analysis Facilities: user experience**

Speaker

Nick Smith

10:15 - 10:30 AM **Impact on Analysis Facilities in the context of DOMA evolution**

Speaker

Alessandra Forti

10:30 AM

11:00 AM

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11:00 - 11:20 AM **Data Analysis Metadata Review**

Speaker

Thomas Kuhr

11:20 - 11:40 AM **Big Questions in Systematics Processing**

Speaker

Stephan Hageboeck

11:40 AM - 12:00 PM **ML Tooling and Use Landscape in HEP**

Speaker

Sean Joseph Gasiorowski

12:00 - 12:20 PM **Differentiable Programming in HEP**

Speaker

Lukas Alexander Heinrich

12:20 - 12:30 PM **Extra Discussion**

12:30 PM

5:00 PM

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5:00 - 5:20 PM **ROOT User Workshop Summary**

Speaker

Axel Naumann

5:20 - 5:40 PM **Analysis user experience with the Python HEP ecosystem**

Speakers

Jim Pivarski, Matthew Feickert

5:40 - 6:00 PM **Declarative Languages Overview**

Speaker

Sezen Sekmen

6:00 PM

Tue, May 24

9:00 AM

Plenary

Session |

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9:00 - 9:15 AM

Reduced Formats in ATLAS**Speaker**

James Catmore

9:20 - 9:35 AM

Reduced Formats in CMS**Speaker**

Lindsey Gray

9:40 - 9:55 AM

Reduced Formats in Belle II**Speaker**

Michel Hernandez Villanueva

10:00 - 10:20 AM

Real-Time and Trigger Analysis Overview**Speakers**

Caterina Doglioni, Michael David Sokoloff

10:20 AM

Wed, May 25

11:00 AM

Plenary: Summaries

Session |

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11:00 - 11:10 AM **Analysis Facilities**

Speakers

Nicole Skidmore, Oksana Shadura

11:10 - 11:20 AM **ML tools and differentiable computing workflows**

Speakers

Lukas Alexander Heinrich, Nathan Daniel Simpson

11:20 - 11:30 AM **"Real-time" online/trigger-level analysis**

Speakers

Giulio Eulisse, Michael David Sokoloff

11:30 - 11:40 AM **Analysis User Experience and Declarative Languages**

Speakers

Alexander Held, Jonas Rembser

11:40 - 11:50 AM **Analysis on reduced formats or specialist inputs**

Speakers

Allison Reinsvold Hall, Jana Schaarschmidt, Loukas Gouskos

11:50 AM - 12:00 PM **Bookkeeping and systematics handling**

Speakers

Paul James Laycock, Teng Jian Khoo

12:00 - 12:10 PM **Let's Define an Analysis Workflow**

Speaker

Benjamin Galewsky

12:10 - 12:25 PM **Discussion**

12:25 - 12:30 PM **Closing Words**

Speaker

Gordon Watts

12:30 PM