

# O2 Analysis Tutorial 4.0

- O2 Tutorial 4.0 October 14 - 18, 2024
- PWG-UD: Wednesday, October 16, 09:00 - 12:30

O2 Analysis Tutorial 4.0

From Monday, October 14, 2024 (9:00 AM) to Friday, October 18, 2024 (9:00 PM)

CERN (160/1-009)

: Sessions / : Talks : Breaks

	Oct 14, 2024	Oct 15, 2024	Oct 16, 2024	Oct 17, 2024	Oct 18, 2024
AM	<div>9:00 AM Introduction - David Dobrigkeit Chinellato (Austrian Academy of Sciences (AT)) (until 12:30 PM) (160/1-009)</div> <div>9:00 AM Introduction to O2/O2Physics - David Dobrigkeit Chinellato (Austrian Academy of Sciences (AT)) (160/1-009)</div> <div>10:00 AM Hyperloop: accelerating analysis - Nicolas Poffey (CERN) (160/1-009)</div> <div>10:45 AM --- Coffee break ---</div> <div>11:00 AM DPG Talk: Reconstruction (160/1-009)</div> <div>11:45 AM DPG Talk: Analysis Objects and Tools (AOT) (160/1-009)</div> <div></div>	<div>9:00 AM Introduction (until 12:30 PM) (160/1-009)</div> <div>9:00 AM Using particle identification in O2/O2Physics - Mr Hrak Kumar Koley (Jadavpur University (IN)) (160/1-009)</div> <div>9:30 AM Strangeness analyses in O2/O2Physics - Romain Schotter (Stefan Meyer Institute for Subatomic Physics of the Austrian Academy of Sciences (AT)) (160/1-009)</div> <div>10:00 AM Event mixing in O2/O2Physics - Maja Karwinska (Warsaw University of Technology (PL)) (160/1-009)</div> <div>10:30 AM --- Coffee break ---</div> <div>11:00 AM Derived data in O2/O2Physics - Victor Gonzalez (Wayne State University (US)) (160/1-009)</div> <div>11:30 AM Machine learning in O2/O2Physics: general introduction - Fabio Catalano (CERN) Francesco Mazzaschi (CERN) (160/1-009)</div> <div>12:00 PM Introduction to software triggers in Run 3 - Maximiliano Puccio (CERN) (160/1-009)</div> <div></div>	<div>9:00 AM PWG-HF - Fabrizio Grosa (CERN) Fabio Colamaria (INFN, Sezione di Bari (IT)) (until 12:30 PM) (160/1-009)</div> <div>9:00 AM PWG-UD - Daniel Tapia Takaki (University of Kansas) Joakim Nystrand (University of Bergen (NO)) Roman Levicki (Austrian Academy of Sciences (AT)) Paul Alois Buhler (Stefan Meyer Institute for Subatomic Physics (SMI), Austrian Academy of Sciences (AT)) Roman Levicki (FNISPE at CTU in Prague) (until 12:30 PM) (160/1-009)</div> <div></div>	<div>9:00 AM PWG-CF - Qiye Shou (Fudan University (CN)) Otton Vazquez Doce (INFN e Laboratori Nazionali di Frascati (IT)) (until 12:30 PM) (160/1-009)</div> <div>9:00 AM FemtoDream - Anton Albert Riedel (Technische Universitaet Muenchen (DE)) (160/1-009)</div> <div>9:00 AM PWG-CF - Qiye Shou (Fudan University (CN)) Otton Vazquez Doce (INFN e Laboratori Nazionali di Frascati (IT)) (until 12:30 PM) (160/1-009)</div> <div>9:00 AM Flow with Generic Framework - Zhiyong Lu (China Institute of Atomic Energy (CN)) (160/1-009)</div> <div>9:30 AM Event plane reconstruction - Junlee Kim (CERN) (160/1-009)</div> <div></div>	<div>9:00 AM ML - Mario Ciacco (Politecnico di Torino and INFN Torino (IT)) Francesco Mazzaschi (CERN) Fabio Catalano (CERN) Fabrizio Chinu (Universita e INFN Torino (IT)) (until 12:30 PM) (160/1-009)</div> <div>9:00 AM PWG-EM - Daisi Sekihata (University of Tokyo (JP)) Ivan Vorobyev (CERN) (until 12:30 PM) (160/1-009)</div> <div></div>
PM	<div>12:30 PM --- Lunch ---</div> <div>2:00 PM Introduction - David Dobrigkeit Chinellato (Austrian Academy of Sciences (AT)) (until 3:30 PM) (160/1-009)</div> <div>3:30 PM --- Coffee break ---</div> <div>4:00 PM Introduction - David Dobrigkeit Chinellato (Austrian Academy of Sciences (AT)) (until 5:30 PM) (160/1-009)</div> <div></div>	<div>12:30 PM --- Lunch break ---</div> <div>2:00 PM Introduction - David Dobrigkeit Chinellato (Austrian Academy of Sciences (AT)) (until 3:30 PM) (160/1-009)</div> <div>3:30 PM --- Coffee break ---</div> <div>4:00 PM Introduction (until 5:30 PM) (160/1-009)</div> <div></div>	<div>12:30 PM --- Lunch break ---</div> <div>2:00 PM PWG-DQ - Xiaozhi Bai (University of Science and Technology of China (USTC)) Ionut Cristian Arsene (University of Oslo (NO)) Xiaozhi Bai (University of Illinois at Chicago) Cristiane Jahrike (University of Campinas UNICAMP (BR)) Luca Micheletti (CERN) (until 5:30 PM) (160/1-009)</div> <div>2:00 PM PWG-JE - Nima Zardoshti (CERN) Laura Britanny Havener (Yale University (US)) (until 5:30 PM) (160/1-009)</div> <div>2:00 PM PWG-LF - Nicolò Jacazio (Universita e INFN, Bologna (IT)) Sushanta Tripathy (CERN) Sourav Kundu (CERN) (until 5:30 PM) (160/1-009)</div> <div></div>	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	<div></div>

# PWG-UD: Plan for tutorials

- 09:00 - 09:10
  - Welcome (Paul Buehler)
- 09:10 - 09:50
  - Event selection for UPC (Alexander Bilinkin)
    - ▶ single gap / double gap
    - ▶ inclusive / exclusive
    - ▶ skimming / derived data
- 10:00 - 11:20
  - Data analysis with UD tables (Anisa Kathun)
    - ▶ Practical exercise
- 11:30 - 12:30
  - MC simulations (Simone Ragoni)
    - ▶ Procedure to produce / request MC data
    - ▶ Practical exercise