

PSI Center for Accelerator Science
and Engineering



Welcome to the Student Tutorials

16 May 2026

IPAC26, Deauville, France

Eduard Prat, PSI

Student Tutorials Coordinator

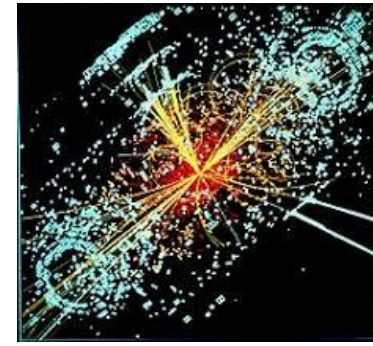
Objectives of the program



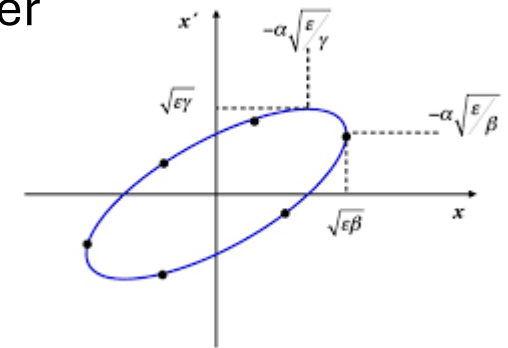
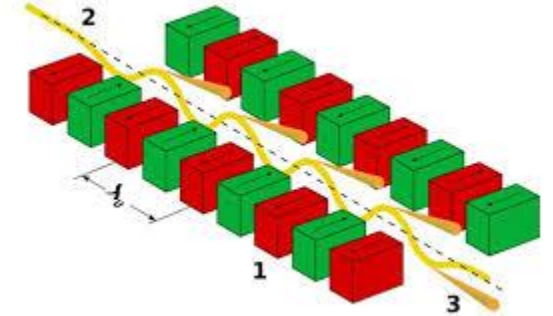
- Summarize the main scientific and technological aspects of the conference.
- Give a status and outlook of the different fields.
- Provide a good basis for the students to better follow the conference.
- Give the opportunity to the students to meet and ask questions to world-wide experts.



Topics



- MC1 Colliders and related accelerators
- MC2 Photon sources and electron accelerators
- MC3 Advanced acceleration techniques and novel particle sources
- MC4 Hadron accelerators
- MC5 Beam dynamics and EM fields
- MC6 Beam instrumentation, controls, feedback and operation aspects
- MC7 Acceleration technology and sustainability
- MC8 Applications of accelerators, engagement with industry, technology transfer and outreach



Lecturers

Worldwide top experts on the topics, we are very happy to have them with us!



MC1 Yannis Papaphilippou (CERN, Switzerland)

MC2 Hitoshi Tanaka (RSC, Japan)

MC3 Edda Gschwendtner (CERN, Switzerland)

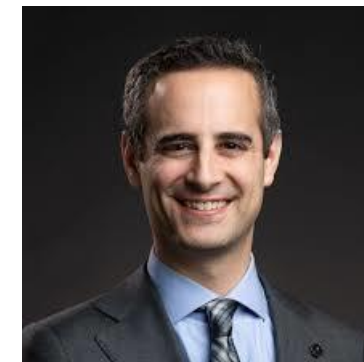
MC4 Hongwei Zhao (IMP, China)

MC5 Nicolas Pichoff (CEA, France)

MC6 Peter Forck (GSI, Germany)



MC7 Mike Seidel (PSI and EPFL, Switzerland)

MC8 Sam Posen (Fermilab, USA)



Program



Time	Topic	Lecturer
9:10	Colliders and related accelerators	Yannis Papaphilippou
10:10	Photon sources and electron accelerators	Hitoshi Tanaka
11:10	Advanced acceleration techniques and novel particle sources	Edda Gschwendtner
12:10	 Lunch buffet	
13:30	Hadron accelerators	Hongwei Zhao
14:30	Beam dynamics and EM fields	Nicolas Pichoff
15:30	Beam instrumentation, controls, feedback and operation aspects	Peter Forck
16:30	 Coffee break	
17:00	Acceleration technology and sustainability	Mike Seidel
18:00	Applications of accelerators, engagement with industry, technology transfer and outreach	Sam Posen

<https://indico.jacow.org/event/130/>

Each lecture: 45 minutes talk + 15 minutes questions

Special thanks to the SPC/OC members, Sabrina Lecerf, Pierre Korysko, Elias Metral, and Julien Michaud for their help

Thanks for your attention and enjoy the tutorial!