



14th International Particle
Accelerator Conference

IPAC '23

7 - 12 May 2023
VENICE, ITALY

Hosting institutions



Elettra Sincrotrone Trieste



Istituto Nazionale di Fisica Nucleare





**Elias Métral
(CERN & JUAS)
and
Ezio Todesco
(CERN)**



**Opening of the
IPAC'23 students'
tutoring**

Student Programme

Scientific programme and schedule

Accelerator prizes

Industry session

Equal opportunity session

Entertainment Session

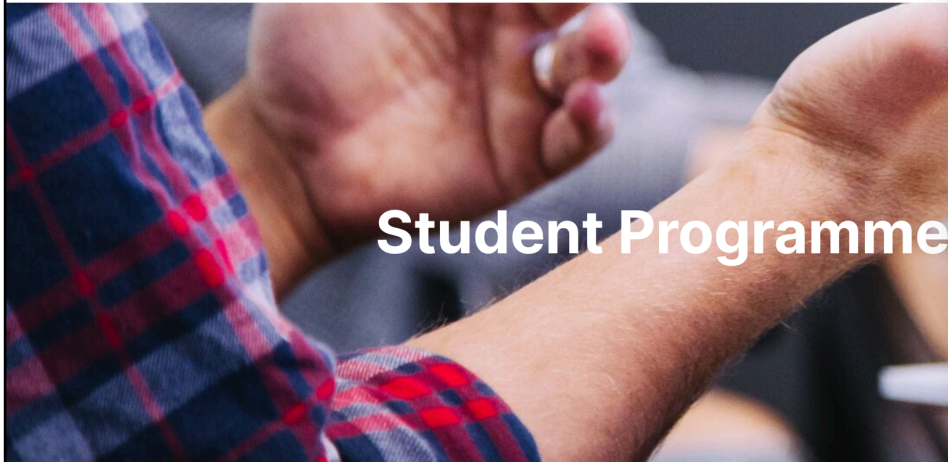
Student programme

Laboratory Tours

Satellite meetings

Social events

Companion programme



Student Programme

- Scientific programme and schedule
- Accelerator prizes
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Student Tutorials

A program of lectures for students is programmed on **Saturday, May 6** (full day) and **Sunday, May 7** morning at 3rd floor of the Casinò (Sala Mosaici 1).

The lectures will give an overview of the different types of accelerators and technologies covered by the Conference program.

Granted students are obliged to attend the tutorials. For compulsory and exceptional cases please contact Marina Nadalin | Local Student Grant Programme Manager | studentgrant@ipac23.org

Students attending the Tutorial Program **must register** to the conference at the registration desk on **Saturday, May 6 from 8:00 to 9:00 am**.

supported by



The 9 classifications of IPAC'23

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MC01 - Colliders and other Particle Physics Accelerators
MC02 - Photon Sources and Electron Accelerators
MC03 - Novel Particle Sources and Acceleration Techniques
MC04 - Hadron Accelerators
MC05 - Beam Dynamics and Electromagnetic Fields
MC06 - Beam Instrumentation, Controls, Feedback & Operational Aspects
MC07 - Accelerator Technology and Sustainability
MC08 - Applications of Accelerators, Technology Transfer and Industrial Relations and Outreach
MC09 - Engagement with Industry, Knowledge Exchange and Industrial Relations

Saturday 6, May 2023

<https://indico.jacow.org/event/64/>

times	topic	
8:50 – 9:00	<i>Opening of the IPAC'23 students' tutoring</i>	<i>Ezio Todesco and Elias Métral (CERN)</i>
9:00 – 10:00	Overview of history and types of accelerators	Na Wang (IHEP, China)
10:00 – 11:00	Physics of circular accelerators / colliders (including muon collider)	Eliana Gianfelice – Wendt (FNAL)
11:00 – 11:20	Coffee break	
11:20 – 12:20	Physics of linear accelerator / colliders	Louis Rinolfi (CERN, retiree, ESI)
12:20 – 13:20	Superconducting magnets for circular accelerators	Paolo Ferracin (LBNL)
13:20 – 14:20	Lunch	
14:20 – 15:20	Superconducting RF cavities	Anne-Marie Valente-Feliciano (JLAB)
15:20 – 16:20	Synchrotron Light Sources: how do they work? And what about Inverse Compton Scattering?	Ryutaro Nagaoka (SOLEIL)
16:20 – 16:40	Coffee break	
16:40 – 17:40	Free-Electron Lasers: how do they work?	Giovanni De Ninno (Elettra, Univ. Nova Gorica)
17:40 – 18:40	Challenges of plasma cell-based accelerators	Enrica Chiadroni (Univ. La Sapienza Roma, INFN-LNF)

Sunday 7, May 2023

<https://indico.jacow.org/event/64/>

times	topic	
9:00 – 10:00	Facilities for Radioactive Ion Beams	Michele Comunian (INFN – LNL)
10:00 – 11:00	Accelerator based neutron sources	Ciprian Plostinar (ESS)
11:00 – 11:20	Coffee break	
11:20 – 12:20	Accelerators for medical and industrial applications	Kazuya Osaki (Toshiba Energy Systems & Solutions Co. , JPN)
12:20 – 12:30	<i>Closing of the IPAC'23 students' tutoring</i>	<i>Ezio Todesco and Elias Métral (CERN)</i>
12:30 – 14:00	Lunch	

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◆ 11 tutorials of 1h

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✦ 1h = 40min for presentation (+ ~10-15 spare slides) + 20min for discussion (if there is no discussion, the speaker will continue with the spare slides)

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✦ 11 tutorials of 1h

✦ 1h = 40min for presentation (+ ~10-15 spare slides) + 20min for discussion (if there is no discussion, the speaker will continue with the spare slides)

✦ Don't hesitate to profit from the discussion sessions to learn as much as possible and enjoy!

Please, send us afterwards your feedbacks about the tutorials

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- ◆ Overview of history and types of accelerators by Na Wang
- ◆ Physics of circular accelerators / colliders (including muon collider) by Eliana Gianfelice-Wendt
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IPAC'23 students' tutoring: students' feedback on "Overview of history and types of accelerators" by Na Wang

How would you rate the following aspects of the tutorial, from 0 (unsatisfactory) to 5 (highly satisfactory)?

elias.metral@cern.ch [Switch account](#)



Not shared

Level of the subject

- 0
- 1
- 2
- 3
- 4
- 5

Oral presentation

- 0
- 1
- 2
- 3
- 4
- 5

Written material

- 0
- 1
- 2
- 3
- 4
- 5

Comments/suggestions

Your answer

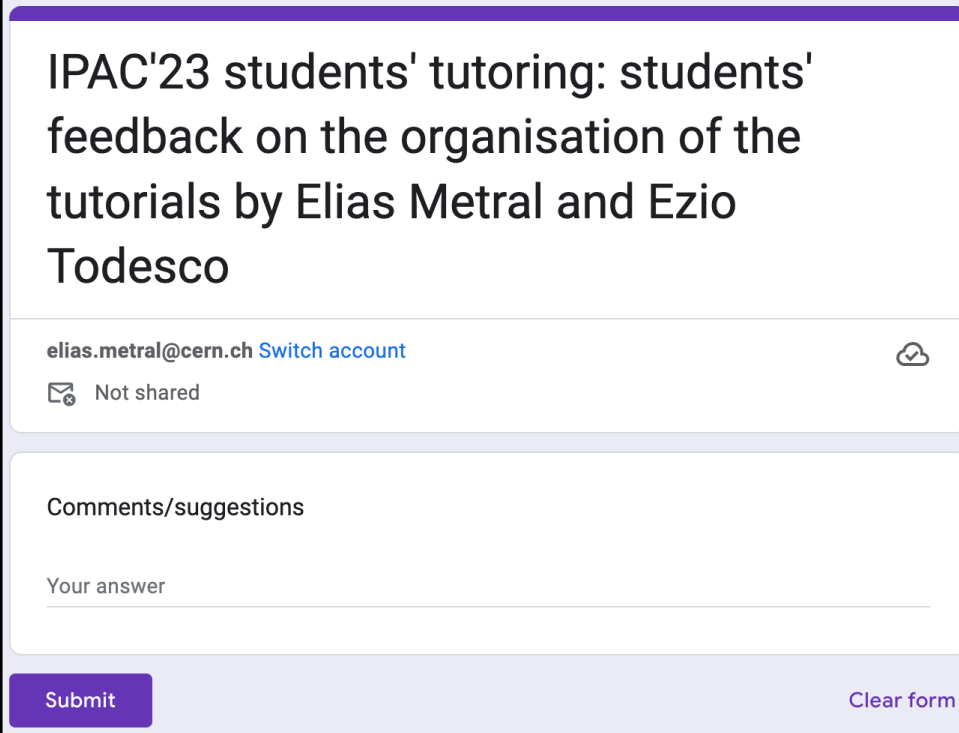
Submit

Clear form

Please, send us also afterwards your feedbacks
about the organisation of the tutorials

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✦ Organisation of the tutorials by Elias Metral and Ezio Todesco



IPAC'23 students' tutoring: students' feedback on the organisation of the tutorials by Elias Metral and Ezio Todesco

elias.metral@cern.ch [Switch account](#)

Not shared

Comments/suggestions

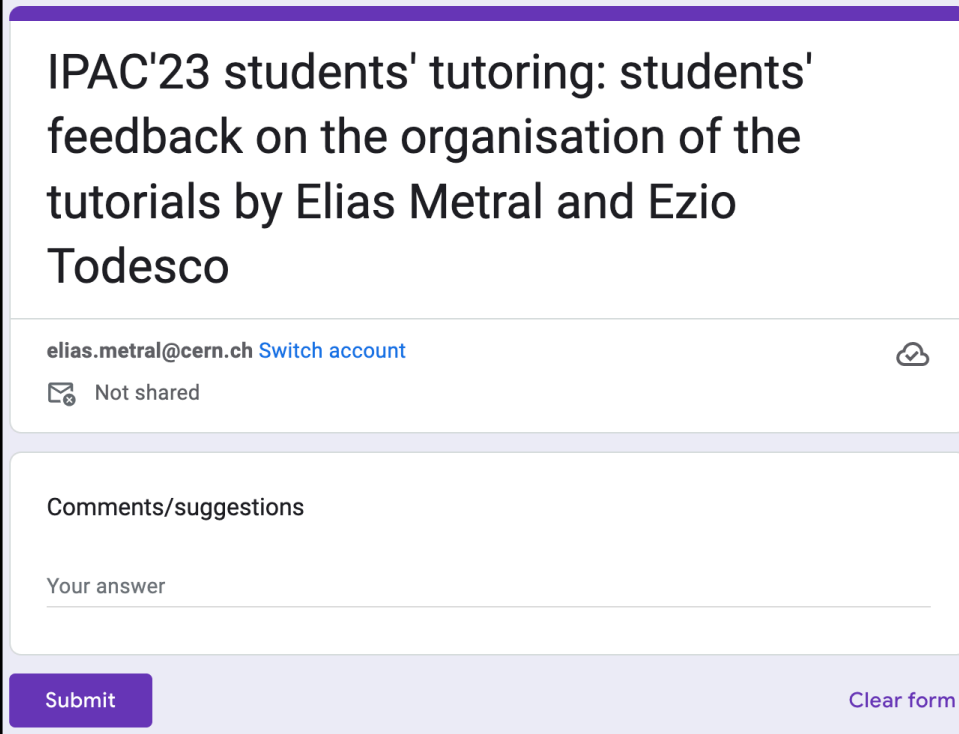
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✦ We wish you all a great IPAC'23 students' tutoring session!

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