

Romanian Teachers Programme 2024



Closing session

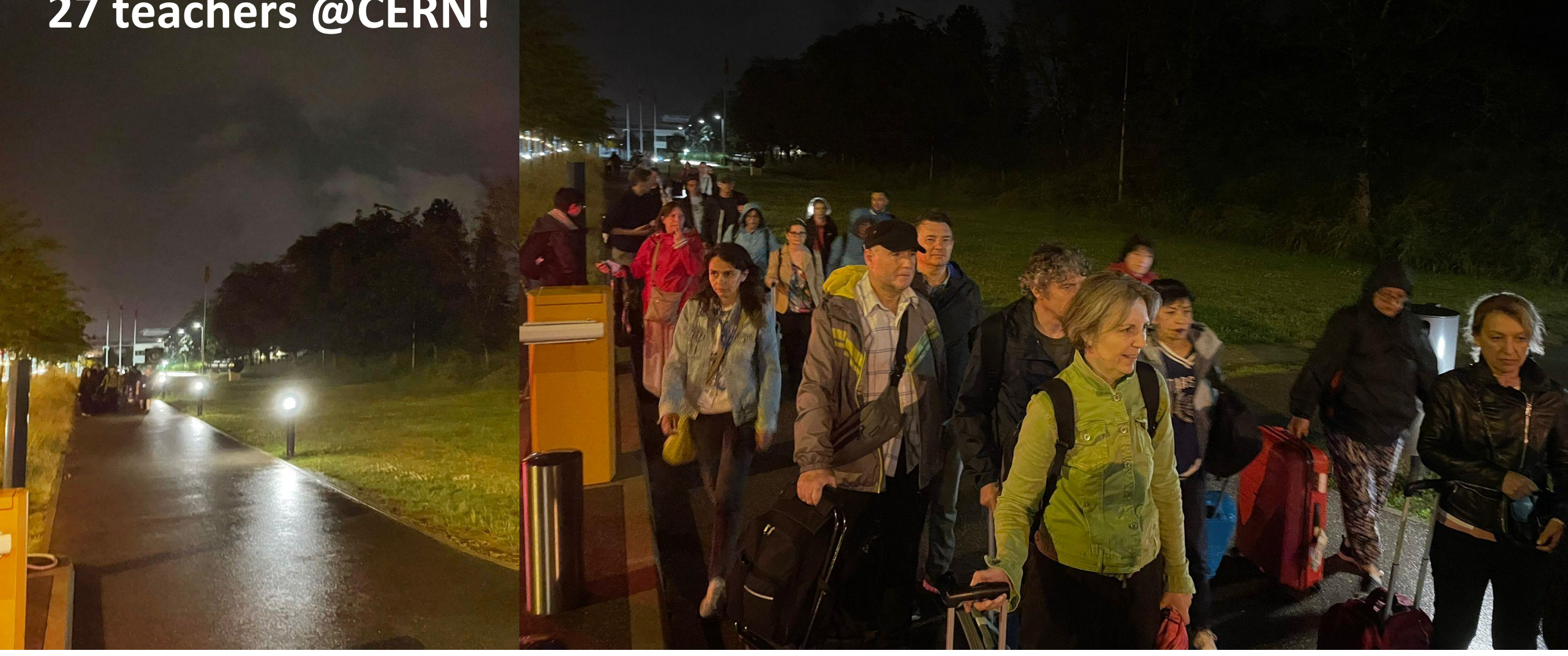
Friday, 14th of June 2024





CERN RTP 2024

27 teachers @CERN!



Romanian Teachers Programme TCP 2024

9 – 14 iunie 2024

<https://indico.cern.ch/event/1329028/>

- **27 teachers** from all over the country
- **1 week of**
 - lectures&discussions,
 - workshop
 - **visits at experiments & more** at CERN





<https://www.ifa-mg.ro/cern/programul-cern-ro.php>

MINISTERUL CERCETĂRII,
INOVĂRII ȘI DIGITALIZĂRII



Finanțare: programul DUROCERN-
Descoperă Universul cu Romania@CERN

CERN Romanian Teacher Programme 2024

9-14 iunie 2024

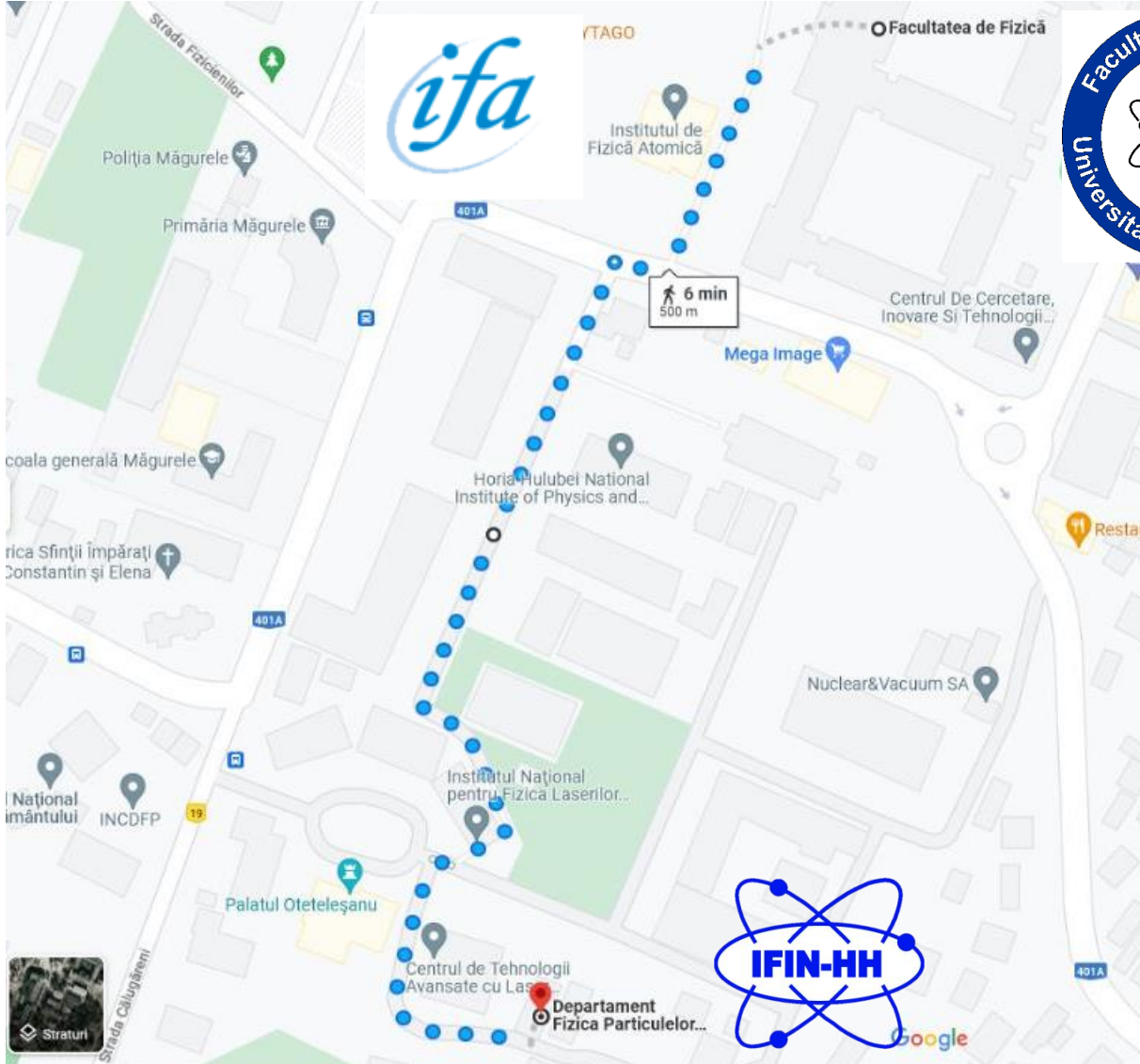
Facultatea de Fizică, Universitatea din București

Institutul Național de Cercetare-Dezvoltare
pentru Fizică și Inginerie Nucleară - Horia
Hulubei (IFIN-HH)

- Echipa din România:**

Călin ALEXA (calin.alex@cern.ch), *IFIN-HH*
Roxana ZUS (roxana.zus@g.unibuc.ro), *FF-UB*
Alexandra TUDORACHE, *IFIN-HH*
Valentina TUDORACHE, *IFIN-HH*
Ioana DUMINICĂ, *FF-UB & IFIN-HH*
Marina ROTARU, *IFIN-HH*
Mădălina BOCA, *FF-UB*
Raluca Sibinescu, *UB*
Andreea Cârstea, *UB*
Cristina Melinte, *IFA*

edu@fizica.unibuc.ro



Train, educate and engage



- **Echipa la CERN (și din România):**

Jeff Wiener, *CERN*

Roxana Zus, *UB*

Călin Alexa, *IFIN-HH*

Alexandra Tudorache, *IFIN-HH*

Valentina Tudorache, *IFIN-HH*

Ioana Duminică, *UB & IFIN-HH*



- **Echipa din România:**

Marina Rotaru, *IFIN-HH*

Raluca Sibinescu, *UB*

Andreea Cârstea, *UB*

Cristina Melinte, *IFA*

+ support from ministries, academics, researchers, administration

RO-TP 2024

Invited lecturers

- Călin Alexa, Horia Hulubei National Institute for Physics and Nuclear Engineering
- Pascal Pralavorio, CPPM, Aix-Marseille Université, CNRS/IN2P3
- Jeff Wiener, CERN
- Roxana Zus, University of Bucharest
- Tiberiu Drăgoiu, Babeş-Bolyai University Cluj-Napoca
- Cătălin Agheorghiesei, Alexandru Ioan Cuza University of Iași
- Daniel Radu, Alexandru Ioan Cuza University of Iași

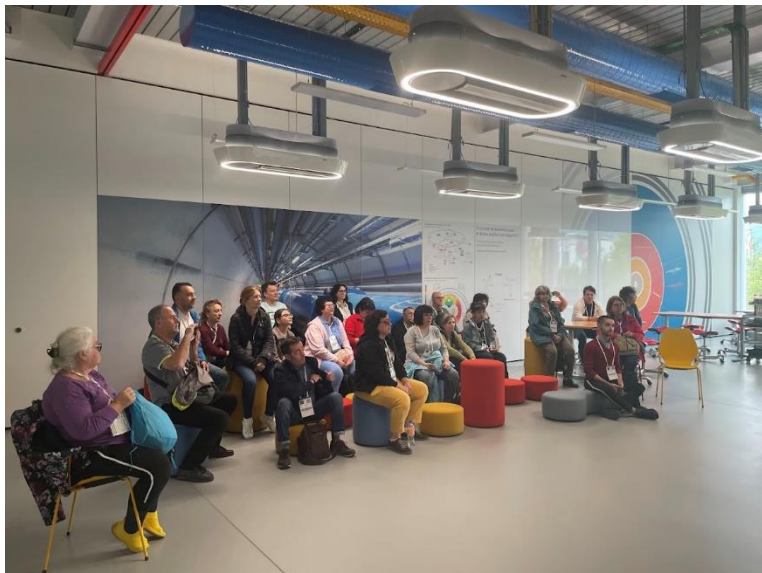


RO-TP 2024

Visits @CERN



RO-TP 2024 Workshop @CERN



RTP 2024

Exploring Geneva & more





Romania@CERN – Educational programmes



Educational programmes @CERN



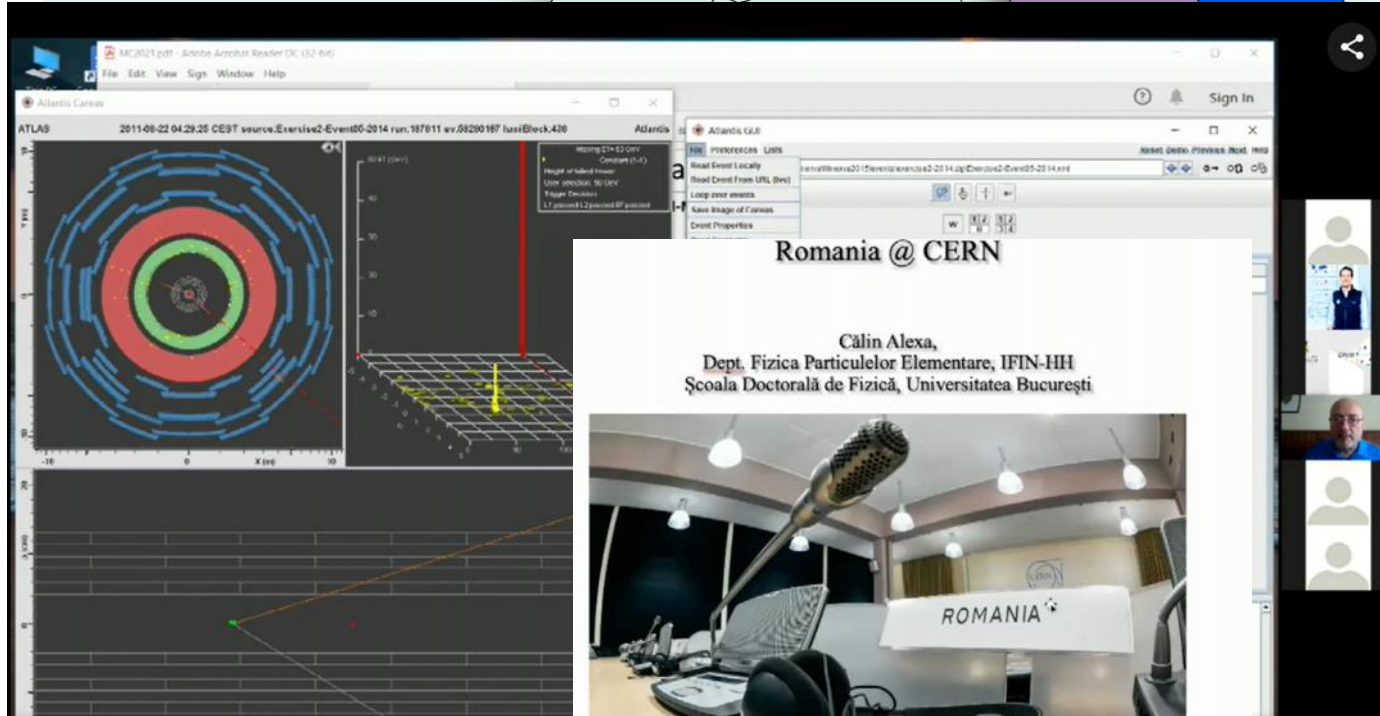
- <https://home.cern/about/what-we-do/train-educate-engage>
- University students opportunities
Student programmes (*SIP-RO 2023*)
PhD positions
- High-school students opportunities:
Beamline for Schools
Internships and National Programmes
(*HSSIP-RO 2021, 2-15 June 2024*)
- CERN teacher programmes
National, international and online programmes
(*online 2021, on site 9-14 June 2024*)

CERN Online Romanian Teacher Programme

19-23 April 2021

<https://indico.cern.ch/event/1025773/>

- over 250 participants



HSSIP-RO 2021

7-20 November 2021

<https://indico.cern.ch/event/856138/>

23 pupils (age 16+) from all over the country
+ 3 teachers

- 2 weeks of
 - lectures&discussions,
 - working in research groups at CERN
 - visits at experiments & more



Romanian Students Internship Programme SIP-RO 2023

19 November – 2 December 2023

<https://indico.cern.ch/event/1337923/>

- **12 students** from all over the country
- **2 weeks** of
 - lectures&discussions,
 - **visits at experiments & more** at CERN



SIP-RO 2023





International Particle
Physics Outreach Group

INTERNATIONAL



MASTERCLASSES

hands on particle physics

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International Masterclasses

20th International Masterclasses 2024

<https://physicsmasterclasses.org/index.php>



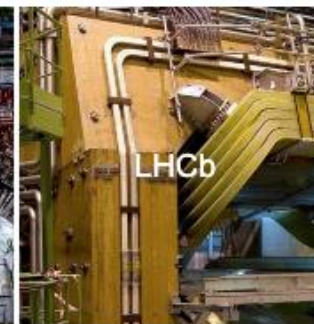
ATLAS



ALICE



CMS



LHCb



BELLE II



MINERvA



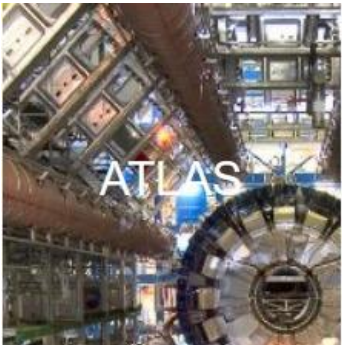
Particle
Therapy



Pierre Auger



- <https://physicsmasterclasses.org/>
- High school students come to a nearby university or research centres for one day in order to unravel the mysteries of particle physics (lectures from active scientists enabling the students to perform measurements on real data from particle physics experiments themselves). At the end of each day, like in an international research collaboration, the participants join in a video conference for discussion and combination of their results.)



- **Bucharest-Măgurele, Iași,
Timișoara, Cluj-Napoca**



- **Bucharest-Măgurele, Suceava**

**„International Masterclasses ATLAS – W-Path” on 18th of March 2023
at University of Bucharest (Faculty of Physics) and online @CERN**



Sat 18.3.
VC 1
ATLAS W
Lisbon
Bucharest



**„International Masterclasses ATLAS – W-Path’’ on 9th of March 2024
at University of Bucharest (Faculty of Physics) with IFIN-HH (ATLAS group) and online @CERN**



**„International Masterclasses ATLAS – Z-Path’’ on 23rd of March 2024
at University of Bucharest (Faculty of Physics) with IFIN-HH (ATLAS group) and online @CERN**



**We are looking forward to your participation
in the educational programmes @CERN
and in Romania!**



