



**Vilnius
universitetas**

Teacher Engagement and Outreach

2023 09 25

Vilnius

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Short term student visits to CERN

October 22-28, 2022: first visit at “CERN-Lithuanian Entrepreneurship Week” event (20 students and 5 lecturers) -

September 18-22, 2023: “Lithuanians at IdeaSquare” (18 students and 6 lecturers) – incoming

November 27 – December 02, 2023: PhD student from Kaunas University of Technology will visit CERN



Participation in the CERN Summer Student Program

One student from Kaunas
University of Technology took
part at CERN Summer Student
Program from July till August of
2023



**Presentations, seminars
and workshops for
primary and secondary
schools pupils, as well as
for university students**

*“International MasterClass:
Hands on Particle Physics”:*

2018 – VU and VGTU

2019 and 2020 – VU, VGTU, KTU

2021 and 2022 – VU, VGTU, KTU
virtual due pandemic situation

2023 – VU, KTU, VGTU



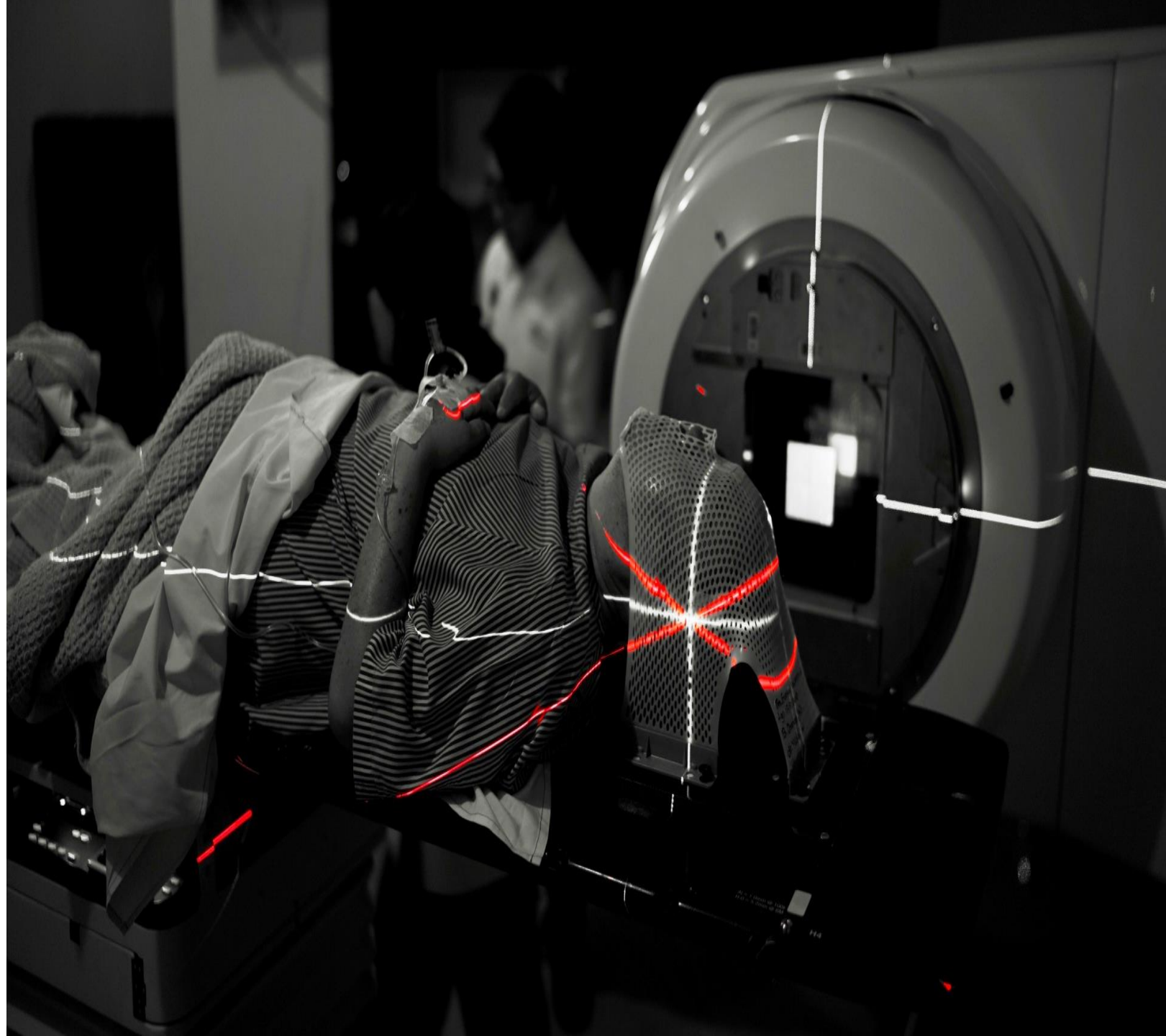
**Presentations, seminars
and workshops for
primary and secondary
schools pupils, as well as
for university students**

*“The Particle Therapy
MasterClass”:*

2021 – VU, KTU, NVI virtual due
pandemic situation

2022 VU, KTU, NVI, LSMU virtual
due pandemic situation

2023 – VU, KTU, NVI, LSMU



Teacher Engagement

- I. **The Baltic Teacher Programme 2021** (from 25-30 April 2021)
10 teachers were selected
The Baltic Teacher Programme 2022 (*from 3-9 April 2022*)
Cancelled due to COVID-19

The Baltic Teacher Programme 23-28 April 2023.

Lectures, on-site visits, exhibitions, and hands-on workshops will introduce its participants to cutting-edge particle physics. Participants will return to Lithuania as ambassadors who will pass on new physics trends to a new generation of physicists, engineers, IT professionals...

September 2023 incoming teachers selection

- II. ***Modern physics is reinforced in the updated secondary and primary school curricula***
- III. ***Initial activities with pupils in STEM centres developed***
- IV. ***A "Modern Physics in School" qualification programme for teachers to implement new curricula***
- V. ***Purchase of equipment to implement teacher training***
- VI. ***Educational sessions for teachers 2018, 2019, 2023***

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Outreach center

Science Outreach and Public Engagement

Our Center aims to attract students to the field of physics, to motivate them by lectures about particle physics, simple and easy experiments. Our current services for school teachers and students are provided by the Particle Physics Outreach Group. In particular, group:

- Team
- Day at the Center
- Lectures
- Particle Tracks
- Resources
- Sponsors

DAY AT THE CENTER



Whole day at the Center, with lectures and an experiments.

Reservation is needed

LECTURES



Lectures for students who have basics of the atomic physics. One lecture is 45 minutes long.

Lectures are ordered. Teleconference with CERN can be ordered if students from few schools reserves same time slot

PARTICLE TRACKS



Particle tracks observation in a cloud chamber. This one hour duration experiment is suitable for all, even without prior knowledge about atomic or particle physics.

Reservation is needed

“Spaceship Earth”

About: 2 hands-on activities and 2 lectures every years from 2015. In 2023 – 2 hands-on activities and 4 lecture.



Researchers' Night

CERN virtual tours and lecture for students and publics

2014, 2016, 2017, 2018, 2019, 2023



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THANK YOU!!!



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