

Opportunities for students





Call for crowdsourcing projects pursuing the UN Sustainable Development Goals

Crowd4SDG launches its final call for projects to tackle climate change and promote justice

10 AUGUST, 2022 | By Claudia Marcelloni de Oliveira

Pitch your idea for climate justice!

BROUGHT TO YOU BY:

Crowd4SDG

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A Beamline For Schools



<https://www.youtube.com/watch?v=EHRZw9HtpEI>

An International physics competition for high school students organised by CERN, the European Organization for Nuclear Research, in Geneva, Switzerland and DESY, Hamburg, Germany

Beamline for Schools (BL4S) invites teams of high-school students from all around the world to propose a scientific experiment that they want to perform at a particle accelerator. The three teams that prepare the best proposals will win a trip to a particle accelerator facility to perform their experiments at a fully-equipped beamline.

In 2023 the experiments will be performed at one of the beamlines of the CERN [Proton Synchrotron accelerator](#) as well as at a beamline of the DESY-II synchrotron. There are [additional prizes](#) for a shortlist of teams and certificates for all participants. Learn more [about BL4S](#) and [how to apply](#) and get inspired by our promotional video:



BL4S-2019



BL4S-2022

Three teams of high-school students from the Elsewedy Technical Academy (STA) (Cairo, Egypt), the École du Sacré-Coeur (Reims, France) and the Club de Física Enrico Fermi (Vigo, Spain) have won the 2022 edition of the Beamline for Schools competition

29 JUNE, 2022



Internship Programmes for High-School Students



“Magic does not happen here, magic is being explained here.” [Tom Hanks]

Have you ever dreamed of becoming the next Nobel Prize winner? Here at CERN you could have opportunities of making those dreams become reality!

CERN offers high-school students a chance to take part in CERN's activities in multiple ways, activities ranging from shadowing an engineer to participating in an exciting national programme in a wide range of fields, especially in STEM, we invite you to find out more about your aspirations and how they could match a future career in CERN. All this in a dynamic and international environment!

Feel free to explore all the amazing opportunities!

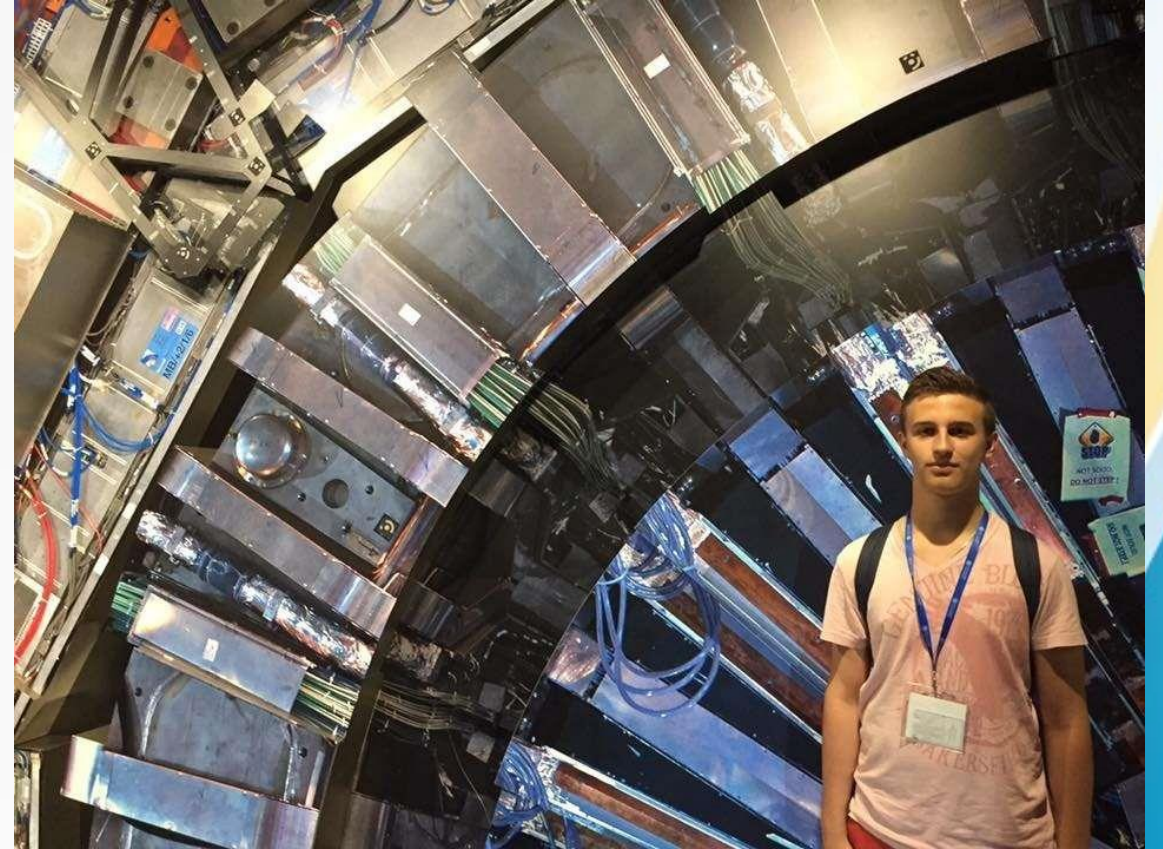


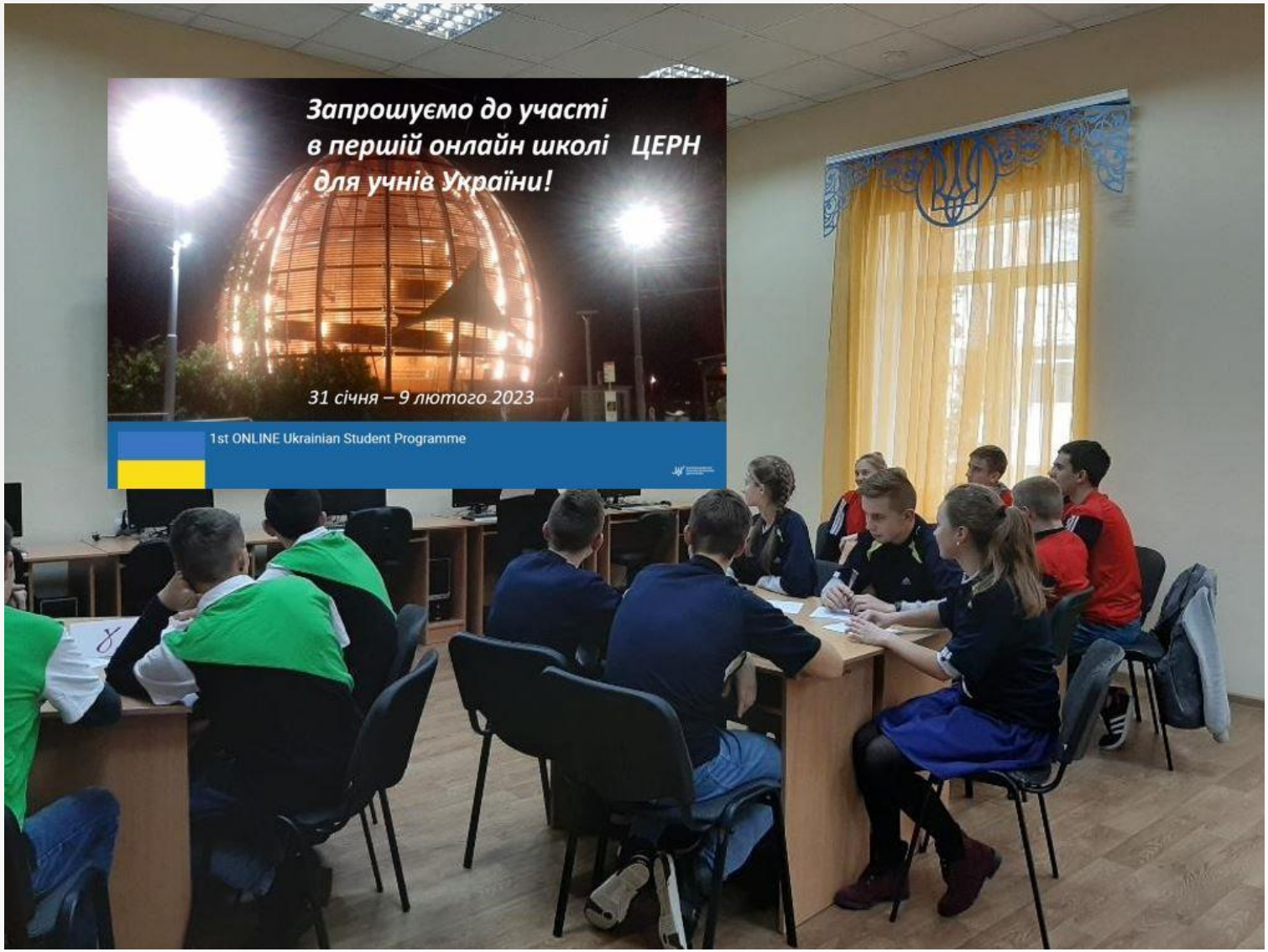
› Opportunities for Individuals - Job Shadowing



› National Programmes

Programme for High School Students 2016





**Запрошуємо до участі
в першій онлайн школі ЦЕРН
для учнів України!**

31 січня – 9 лютого 2023

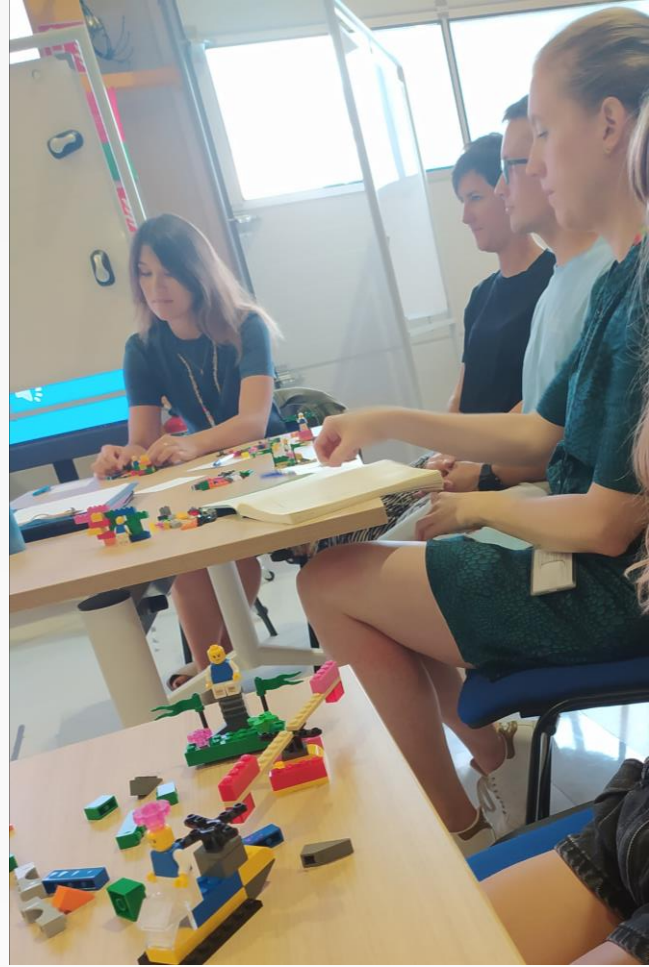
1st ONLINE Ukrainian Student Programme



FIRST GLOBAL-2022

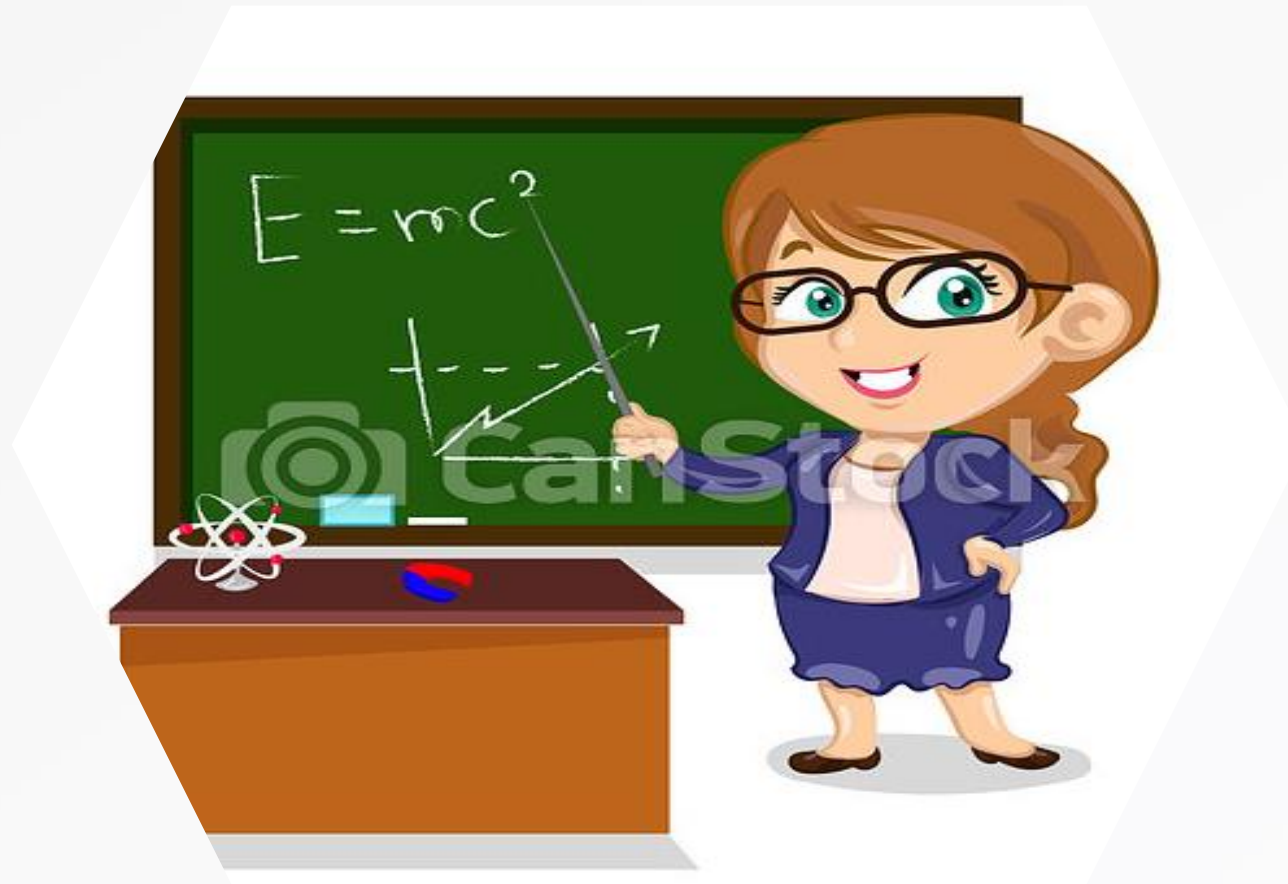






Обрали професію вчителя фізики?

Як потрапити до CERN?





International High School Teacher Programme

The International High School Teacher (HST) Programme 2023 will take place from 2-15 July 2023!

This residential programme, which took place for the first time in 1998, is open to high school science teachers from around the world who would like to update their knowledge of particle physics, learn more about educational resources available, and collaborate with fellow science teachers of different nationalities.

The HST programme contains lectures, on-site visits, hands-on workshops, discussions, and Q&A-sessions. Furthermore, during the 2 weeks, all teachers will collaborate in several study groups on various topics related to particle physics and its integration in the classroom. All study groups will deliver their final reports at the end of the programme. Therefore, all applicants should:

- have a good working knowledge of the English language (the entire programme will be delivered in English)
- be committed to attending in full the 2 weeks of the programme (no late arrivals, no early departures)

T



**SHARING
THE PASSION
FOR DOING**





The International Teacher Weeks (ITW) Programme 2023 will take place from 6-19 August 2023!

This residential programme, which took place for the first time in 2017, is open to high school science teachers from around the world who would like to update their knowledge of particle physics, its associated technologies, and related subjects in a group of science teachers of different nationalities.

The ITW programme contains lectures, on-site visits, hands-on workshops, discussions, and Q&A-sessions. Furthermore, during the 2 weeks, all teachers will collaborate in several study groups on various topics related to particle physics and its integration into the classroom. All study groups will deliver their final reports at the end of the programme. Therefore, all applicants should:

- have a good working knowledge of the English language (the entire programme will be delivered in English)
- be committed to attending in full the 2 weeks of the programme (no late arrivals, no early departures)



Ukrainian Teacher Programmes

NATIONAL COORDINATORS

OKSANA ZHYVOTOVA

DARIIA TERNOVA

OLEKSANDR YUROV

UPCOMING PROGRAMMES

7-11 NOVEMBER 2022

Програма заходу включає лекції про основи діяльності ЦЕРН, будову та функціонування прискорювачів, фізику елементарних частинок, великий адронний колайдер як телескоп та мікроскоп для дослідження світу, механізм обчислення на колайдері та систему GRID, відкриття бозону Хіггса, фізику важких іонів та експеримент ALICE, медичне застосування фізики високих енергій, а також українську участь в діяльності ЦЕРН. До програми включено відвідування експериментальних установок таких науково-культурних об'єктів у ЦЕРНі. Крім того, учасники візьмуть участь у практичних семінарах з побудови бульбашкової камери та аналізу даних.

Ukrainian Teacher Programme (2016)





Перша онлайн Програма ЦЕРН для педагогів України - UATP-2022 , 24-28 січня 2022 організатори, спікери та волонтери



Учасники Програми UATP-2022 для педагогів України - представники 24 областей України та м. Київ





Дякую за увагу!

