

Dear Reader,

This Newsletter is intended for all SPS members, researchers, industries, students, interested specialists and physics friends. Feel free to share this Newsletter within your community, and follow this [link](#) if you want to add a person to our mailing list.

If you wish to give your contribution with news or suggestions, please do not hesitate to contact me at: margherita.boselli@cern.ch

Kind regards,

Margherita Boselli

WHAT'S UP IN SWITZERLAND?

Wilhelm Conrad Röntgen Symposium

The [Wilhelm Conrad Röntgen Symposium](#), initially scheduled for 2020 to celebrate the 175th birthday of the physicist *Wilhelm Conrad Röntgen* (1845 - 1923) and the 125th anniversary of his discovery of X-Rays, will take place on **Saturday September 18 2021, at the ETH Zurich (Hönggerberg)**. The event is open to the public, the admission is free, and a live video stream of the symposium will be available. During the afternoon, five speakers will report on Röntgen's biography, with a focus on the period that Röntgen spent in Zurich both at ETH and at the University, and on the link between his work and the current research in the field of X-ray imaging, new coherent light sources, and the revolution of X-ray astronomy. The symposium is jointly organized by our Society, the Zürich Physical Society, [PGZ](#), and the Swiss Academy of Sciences, [SCNAT](#).



The same day will also see the **Young Talents Day**, an event dedicated to the Swiss high-school students who obtained remarkable results in national and international physics competition. Before the Symposium, the young students will have the opportunity to visit the physics laboratories on Hönggerberg and get first-hand information about current research activities.

More information are available on our [website](#).

New Call for BRIDGE - Proof of Concept

The new call for [BRIDGE Proof of Concept](#) projects is open until **6 September 2021**. Young researchers who want to apply their research results and realize an innovative product or service can submit their project proposals [here](#).



BRIDGE is a joint programme conducted by the [Swiss National Science Foundation \(SNSF\)](#) and [Innosuisse - the Swiss Innovation Agency](#). It offers new funding opportunities at the intersection of basic research and science-based innovation, thereby supplementing the funding activities of the two organisations.

Code of Conduct on Scientific Integrity

On May 11 [SCNAT \(The Swiss Academy of Sciences\)](#) published in four languages the [Code of Conduct on Scientific Integrity](#). This document, developed over the past two years by a group of experts from the Swiss Academies of Arts and Sciences, the [Swiss National Science Foundation](#), [swissuniversities](#) and [Innosuisse](#), aims at strengthening scientific integrity in research and educational settings, while addressing all actors, participating in the creation, dissemination and promotion of knowledge within the Swiss system of higher education.



Scientific integrity is based on the observance of fundamental principles and their many different contextual realizations. These principles guide scientists in their research and teaching and help them to deal with the practical, ethical, and intellectual challenges they can expect to encounter.

Improving Science Communication in Switzerland: Assessment Report and Recommendations

An expert group, set up by the [Swiss Academies of Arts and Sciences](#), has published the first comprehensive assessment report [on science communication in Switzerland](#). It highlights positive aspects of the Swiss situation, like the strong public support for science and the wide range of formats that are available for science-society dialogue. But it also identifies challenges, like the insufficient support for researchers who communicate with the public, the erosion of science journalism, or the dissemination of dis- and misinformation on social media.

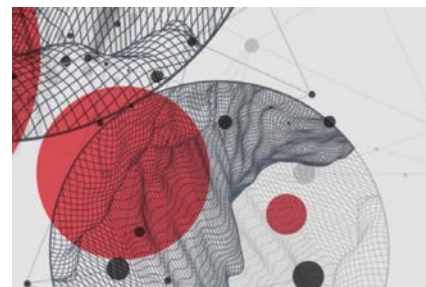


Image from the [Swiss Academies of Arts and Sciences](#)

Ultra High Energy Photons detected at LHAASO

More than 530 photons at energies above 100 TeV (10^{12} electronvolt, eV) and up to 1.4 PeV (10^{15} eV) from 12 ultra high-energy gamma-ray sources, located in our galaxy, with a statistical significance greater than seven standard deviations, have been detected at the [China's Large High Altitude Air Shower Observatory \(LHAASO\)](#). Photons with energies exceeding 1 PeV are the highest energy photons ever observed. These findings, published on [Nature](#) on May 17, overturn our traditional understanding of the Milky Way and open up an era of Ultra High Energy gamma astronomy.



The [University of Geneva DPNC Astroparticle group](#), led by Professor Montaruli and composed by the MER Dr. della Volpe and the CS Dr Heller, has contribute to the LHAASO experiment by providing the technology Cherenkov Telescope photodetection plane, and the Swiss university is part of the steering committee of LHAASO with voting rights, the only non-chinese institution in this position.

The press release published by LHAASO is available [here](#). The announcement of the University of Geneva is available [here](#) in French, and [here](#) in English.

In the image an aerial view of LHAASO (from IHEP, Institute of High Energy Physics)

Austrian EPFL Scientist Anne Kiesenhofer wins cycling gold medal at Tokyo Olympics

[Anne Kiesenhofer](#), post-doctoral scientist at EPFL's Faculty of Basic Sciences in Mathematics, won the women road race gold medal at the Tokyo Olympic Games on Sunday 25 July. It's an incredible achievement for Anne, at her first



Olympic participation, who gained the first place after a 40 kilometers solo breakaway. The Swiss Physical Society congratulates to Anne Kiesenhofer for this result!



Image from EPFL

WHAT'S UP IN EUROPE

European School of High Energy Physics

The next CERN-JINR European School of High-Energy Physics will take place in Israel from 17 to 30 November 2021. The School is targeted particularly at students in experimental HEP who are in the final years of work towards their PhDs, although candidates at an earlier or later stage in their studies may be considered. The deadline for applications is **23 July 2021**

Sponsorship may be available for a few students from developing countries.

The School will go ahead assuming sufficient progress has been made in controlling the Covid pandemic in the countries from which participants will be traveling, and subject to Covid-related regulations in Israel. Further details are available [here](#).

The Swiss Physical Society (SPS) unites persons interested in physics from university, schools, research, development and industry. The SPS promotes the scientific exchange of ideas in Switzerland and with its international environment.

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