

Dear Reader,

You scientist shape this Newsletter

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. Anyone interested can subscribe [here](#).

You would like to share some news with this community? Please contact Celine.Lichtensteiger@UniGe.ch.

WHAT'S UP IN SWITZERLAND?

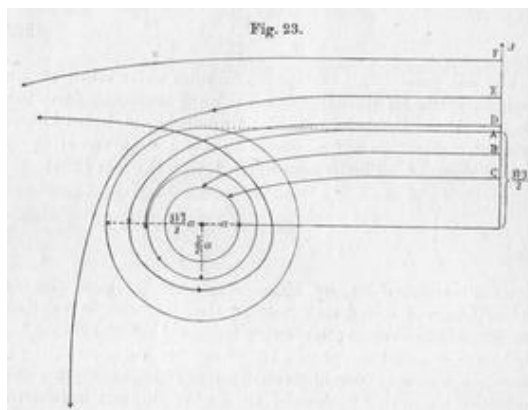
Joint Annual Meeting of SPS and ÖPG 21-25 August in Geneva

Our annual meeting is approaching, we hope you are as excited as we are! Great scientific presentations, posters, discussions and social events in perspective. Among those, do not miss the evening lecture by Matthew Philip McCullough "A Higgs-eye view of the cosmos" on **22 August 2017**, 20h00 (registration or CERN access required) [[abstract](#)]. Looking forward to seeing you there! [[more](#)]



"Thinking about space and time: 100 years of applying and interpreting general relativity", 12-14 september in Bern

One hundred years after Einstein's groundbreaking General Theory of Relativity, this conference aims at an integrated understanding of how Einstein's theory of relativity gained momentum. The focus is on the early reception of Einstein's theory in physics and philosophy and on the systematic questions that emerged shortly after Einstein's discovery of the field equations. This conference is open to the public free of charge. The whole program can be found [here](#), with a public lecture on **13 September 2017**, 20h00 by Prof. John Norton: "The error that showed the way: Einstein's path to his gravitational field equations". [[more](#)]



"Show devant! La conférence électrique" - 12 september in Geneva

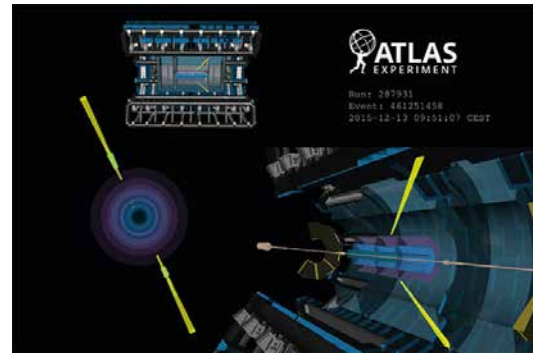
During the conference [EUCAS 2017](#) on superconductivity taking place in Geneva from **17 to 21 septembre 2017**, a rich program of events for the public is organized as a collaboration between the [CERN](#) and the [University of Geneva](#). As an "appetizer", the [PhysiScope](#) invites you to the interactive presentation - in french - "Show devant! La



conférence électrique" given by Dr Olivier Gaumer on 12 september 2017, 20h30 at the [Globe of Science and Innovation](#) at CERN, where you will learn about the surprising properties of superconductivity. [\[more\]](#)

ATLAS sees first direct evidence of light-by-light scattering at high energy

Physicists from the ATLAS experiment at CERN have found the first direct evidence of high energy light-by-light scattering, a very rare process in which two photons interact and change direction. The result, published this week in [Nature Physics](#), confirms one of the oldest predictions of quantum electrodynamics (QED). [\[more\]](#)



WHAT'S UP IN EUROPE?

Ecsite Annual Conference 2018 will take place in Geneva

[Ecsite](#), the European network of science centres and museums founded in 1989, gathers more than 350 organisations committed to inspiring people with science and technology and enabling dialogue between science and society.

Save the date: the 2018 edition of the [Ecsite Conference](#) will be hosted by the Museum of Natural History in Geneva, Switzerland, from 7 to 9 June 2018.



WHAT'S UP IN THE WORLD?

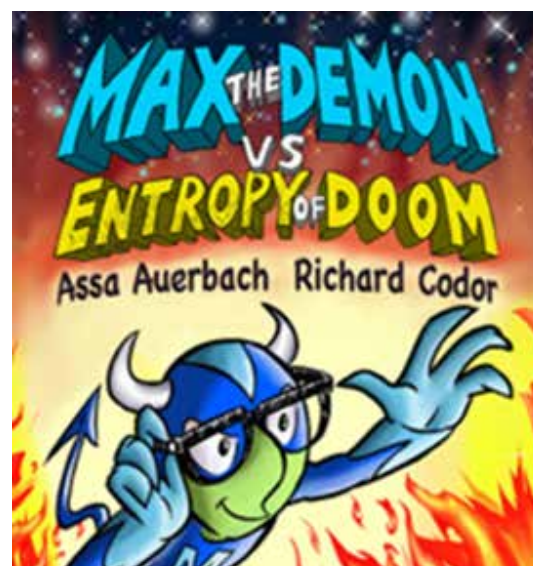
50th anniversary for the International Physics Olympiads - IPhO

Summer is for many students a time to relax. Not for the participants of the [IPhO](#), that took place in Yogyakarta, Indonesia **16-24 July 2017**. Happy 50th anniversary to the IPhO, and congratulations to our [Swiss participants](#): Adrian Rutschmann and Henning Zhang won a bronze medal, and Pascal Isenring, Alexandre Pinazza and Tamar Som received honorable mentions.



Max the Demon vs Entropy of Doom: a graphic novel

If you have to teach thermodynamics and find it challenging, this soon to be published book might help you! This quite unusual comic book is written by [Assa Auerbach](#), a physicist, and [Richard Codor](#), a cartoonist. It's a superhero adventure which, along the way, explains Entropy. This book will appeal to anyone with curiosity and a sense of humor. The authors just launched a [Kickstarter](#) campaign to help fund the production and printing. You can also follow them on [Facebook](#).





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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