



Online Summer Student Lecture Programme 2022
Introduction Presentation
28 June 2022

General Introduction

Thierry Gys for SSLP 2022

The Summer Student Lecture Programme

- The Summer Student Lecture Programme (SSLP) aims at providing a pedagogical introduction to all the areas of the CERN research Mission.
- The lectures are addressed to students in Physics, Engineering, and Computer Science. Basic background in Physics and Mathematics is the only prerequisite.
- During the five weeks of the Programme, general foundation courses are followed by more specific lectures.
- By attending the Programme, the Summer Students will be exposed to the activities of CERN as a whole and to its multidisciplinary essence.

The SSLP Committee

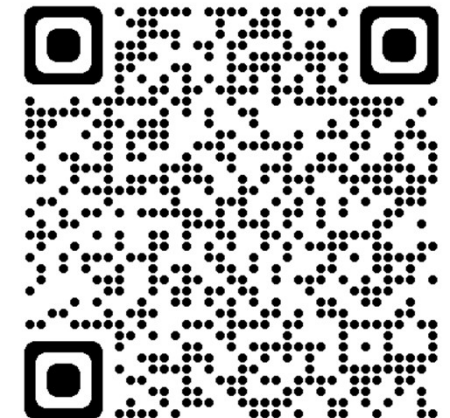
- The Programme is organized by the SSLP Committee with representatives from the CERN Departments of Experimental Physics (EP), Theoretical Physics (TH), Beams (BE), Accelerator Systems (SY), Information Technology (IT), International Relations (IR), and Human Resources (HR).
 - The members of the SSLP Committee
 - Thierry Gys (EP), co-chair
 - Matthew Philip McCullough (TH), co-chair
 - Francesco Cerutti (SY)
 - Maria Girone (IT)
 - Giovanni Petrucciani (EP)
 - Bernhard Holzer (BE)
 - Wilke Van Der Schee (TH)
 - Adriana Bejaoui (HR)
 - Ana Dordevic (IR)
 - Hannah Luther (HR)
 - Kristina Gunne (IT)

The goals of the SSLP

- These lectures should :
 - Give an overview of what is being done at CERN and why.
 - Teach some physics/statistics/computing/engineering/...
 - All of this to a varied audience.
 - And in this (much less difficult) period (see later).
- Not an easy task !
- For this reason :
 - The SSLP lecturers are at the same time top researchers in their field and experienced lecturers.
 - Do not miss the opportunity to learn from them !
 - Aim is not to teach you how to, e.g. build an accelerator.
 - Basic concepts and ideas are given to further stimulate your interest in science.

SSLP layout

- SSLP to run over 5 weeks
 - Every morning from Tuesday 28th June 2022 to Friday 29th July 2022
 - SSLP to run on Zoom (see next slides)
 - All lectures are recorded
 - Individual lecture recording made available shortly after
 - 3 lectures per morning (CET)
 - 9:15-10:10
 - 10:25-11:20
 - 11:35-12:30
 - For each time slot: 45' lecture, 10' questions, 15' break
- <https://summer-timetable.web.cern.ch/>
- SSLP detailed overview: see next presentation by Matthew



SSLP 2022 – why online on Zoom ? (1)

- Original context

- November 2021 baseline scenario

- Summer Student Programme per se: in-person
 - Summer Student *Lecture* Programme: online – no mass gathering vs 300 students in CERN main auditorium
 - → IT support for Zoom sessions and recordings
 - → External lecturers: physical presence at CERN not required

- Evolution

- February-March 2022

- Covid-related situation @CERN slowly improving with less severe restrictions – capacity of meeting rooms however limited
 - Main auditorium venue: released for other events including Higgs10 in early July

- May 2022

- Restrictions for capacity of meeting rooms released

SSLP 2022 – why online on Zoom ? (2)

- The SSLP Committee internal debate/dilemma
 - May 2022
 - Online vs hybrid vs in-person layout ?
 - Main auditorium venue: fully booked
 - Switching from the online scenario to any other scenario was not possible
- The final words
 - We all are fully aware that the best possible format for the lectures is the conventional in-person format. This has been and remains the basic essence of the lecture and general programme for summer students. And we all regret that the in-person *lecture* format will not be applicable this year for the reasons given above. However, very unfortunately and inevitably, we also depend on organizational aspects that require decisions to be taken well in advance.
- Nevertheless...

Conclusion

- Enjoy your stay at CERN !
- Join the lectures and take an active part !
- Success for your project !