

The Summer Students Lecture Programme is ending today.

We hope that you have enjoyed it.

Note that the slides of all lectures are available in Indico, together with the video recording of the lectures !!

(as advertised during the induction sessions, on the first day, and occasionally in the MA)

<http://summer-timetable.web.cern.ch/summer-timetable/>

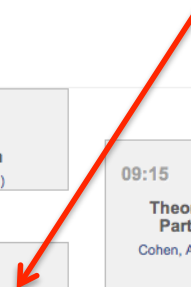
Summer Student Lectures 2016

Other year



09:00	09:00 Introduction Presentation Neufeld, Niko (CERN), Perez, Emmanuel Francois (CERN), Lueders, Stefan (CERN), Basaglia, Tullio (CERN)	09:00 DG's Presentation Gianotti, Fabiola (CERN)	09:15 Theoretical concepts in Particle Physics (1/5) Cohen, Andrew (Boston University)	09:15 Theoretical concepts in Particle Physics (3/5) Cohen, Andrew (Boston University)
10:00	10:20 Particle World (1/3) Shears, Tara (University of Liverpool (GB))	09:45 Particle World (3/3) Shears, Tara (University of Liverpool (GB))	10:20 Theoretical concepts in Particle Physics (2/5) Cohen, Andrew (Boston University)	10:20 Theoretical concepts in Particle Physics (4/5) Cohen, Andrew (Boston University)
11:00		10:50		

click



Summer Student Lecture Programme Course

Particle World (3/3)

by Dr. Tara Shears (University of Liverpool (GB))

1 Jul 2015, 10:15 → 11:00 Europe/Zurich

500-1-001 - Main Auditorium (CERN)

slides



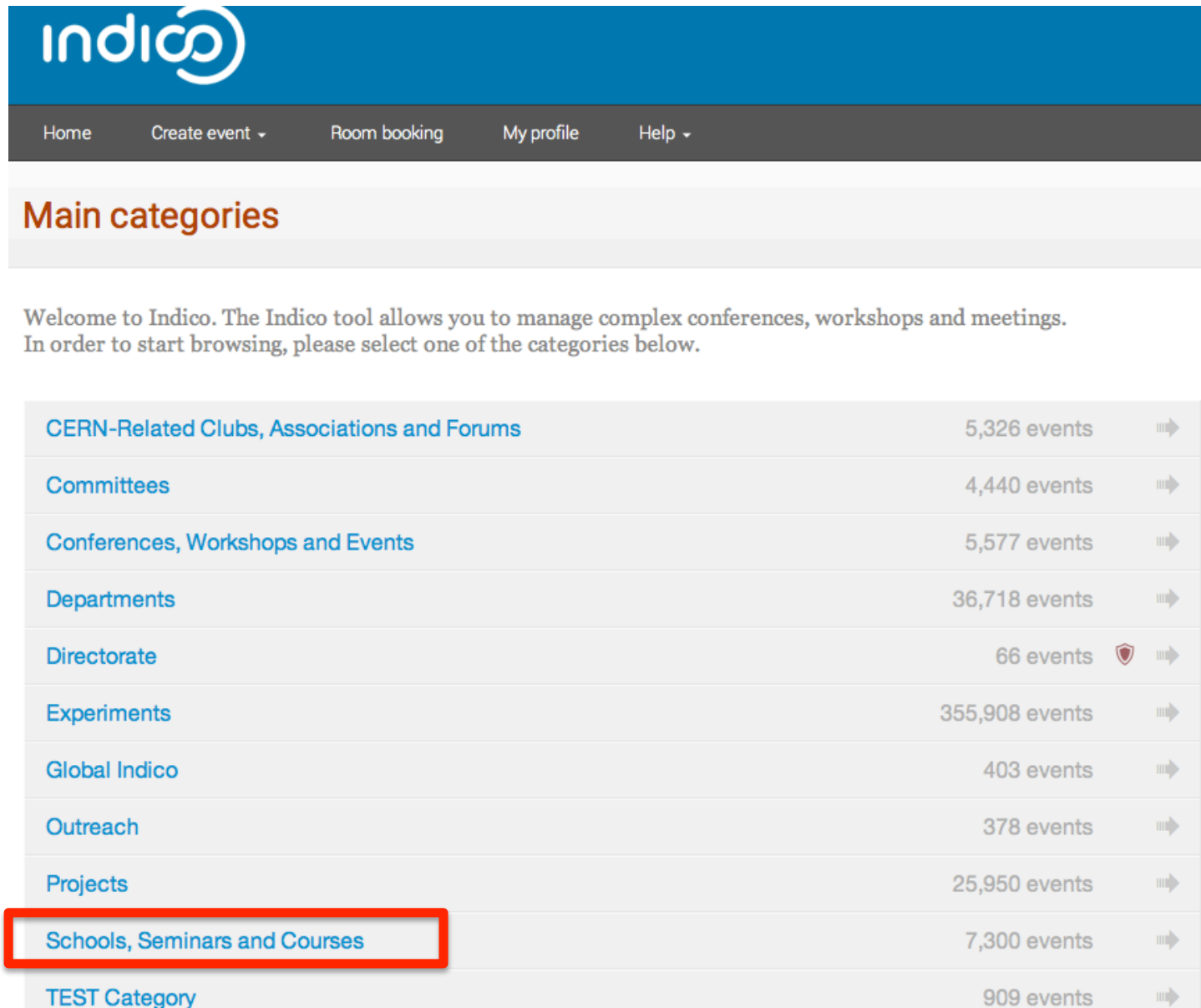
Recording of the lecture (video)




Available shortly after the lecture



In case you have lost the web page, go to <https://indico.cern.ch/>



The screenshot shows the Indico website interface. At the top, there is a blue header with the 'indico' logo. Below the header is a navigation bar with links for 'Home', 'Create event', 'Room booking', 'My profile', and 'Help'. The main content area is titled 'Main categories' and contains a list of event categories. The 'Schools, Seminars and Courses' category is highlighted with a red box. The list includes the following categories and event counts:

Category	Event Count	Icon
CERN-Related Clubs, Associations and Forums	5,326 events	➡
Committees	4,440 events	➡
Conferences, Workshops and Events	5,577 events	➡
Departments	36,718 events	➡
Directorate	66 events 	➡
Experiments	355,908 events	➡
Global Indico	403 events	➡
Outreach	378 events	➡
Projects	25,950 events	➡
Schools, Seminars and Courses	7,300 events	➡
TEST Category	909 events	➡

Schools, Seminars and Courses

↑ Parent category

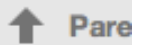
Schools	260 events	⇒
Training and Development	3,256 events	⇒
Seminars	2,967 events	⇒
Other CERN events	626 events	⇒
External events	191 events	⇒

Training and Development













Academic Training Lecture For Postgraduate Students	124 events	⇒
.....		
Summer Student Programme	2,099 events	⇒
e-learning	20 events	⇒

And then choose: [Summer Student Lecture Programme Course](#).

Summer Student Lecture Programme Course




August 2016


-  05 Aug [Michele Maggiore, "Closing Lecture: The first direct detections of gravitational waves"](#)
-  04 Aug [Ruth Durrer, "Introduction to Cosmology \(3/3\)"](#)
-  04 Aug [Stefano Redaelli, "Collimation Systems \(2/2\)"](#)
-  04 Aug [Laura Covi, Laura Covi, "Astroparticle Physics \(3/3\)"](#)
-  03 Aug [Ruth Durrer, "Introduction to Cosmology \(2/3\)"](#)
-  03 Aug [Stefano Redaelli, "Collimation Systems \(1/2\)"](#)
-  03 Aug [Laura Covi, "Astroparticle Physics \(2/3\)"](#)
-  02 Aug [Wolfgang Lerche, "What is String Theory?"](#)
-  02 Aug [Laura Covi, Laura Covi, "Astroparticle Physics \(1/3\)"](#)
-  02 Aug [Bryan Webber, "Monte-Carlo Techniques \(2/2\)"](#)
-  01 Aug [Manjit Dosanjh, "Physics and Medical Applications \(3/3\)"](#)
-  01 Aug [Ruth Durrer, "Introduction to Cosmology \(1/3\)"](#)

Summer Student Lecture Programme Course

Beyond the Standard Model (4/4)

by Christophe Grojean (DESY (Hamburg) and ICREA/IFAE (Barcelona))

 27 Jul 2016, 09:15 → 10:10 Europe/Zurich

 500-1-001 - Main Auditorium (CERN)



slides

video



Beyond the Standard Model (4/4)

27th July 2016 at 08:35 Christophe Grojean

Navigation icons: back, 1 / 41, forward, video, image, video with audio, chat, share, help.



Beyond the Standard Model

CERN summer student lectures 2016

Lecture 4/4

Christophe Grojean

DESY (Hamburg)
ICREA@IFAE (Barcelona)
(christophe.grojean@cern.ch)

1 | 17s Beyond the Standard Model

2 | 21s Outline

3 | 47s 5 Dimensions

4 | 50s 5 Dimensions

5 | 1m 48s 5 Dimensions

6 | 31s 5 Dimensions

7 | 21s 5 Dimensions

8 | 1m 5s 5 Dimensions

00:00:00 00:50:27

You can help us make the lecture programme
(even) better for next year :
please provide feedback !

Feedback on the individual lectures :

<http://hr-dep.web.cern.ch/content/lectures-questionnaires-2016>

Questionnaires are anonymous.

Please select your main field of study: *

Comp. / Phys. / Eng.

Please indicate how many years you have attended university: *

Please assess the content of the lecture: *

From “very interesting” to “uninteresting”

Please assess the presentation of the lecturer: *

From “excellent” to “poor”

How would you assess the level of the lecture? *

From “too high” to “too low”

How many of this lecturer's lectures have you attended? *

If you did not attend all the lecturer's lectures, please tell us why:

Is there anything you want to mention?

Please note that this questionnaire is anonymous. If you still would like to provide us your

The feedback is used by us and by the lecturers, and helps them improve the lectures for the next year(s).

The “comments” field, in particular, is extremely useful. Positive comments are always good and nice to read. But negative (and constructive) comments are very welcome.

You will also receive a **general questionnaire** asking for **global feedback** about the programme.

Speakers receive a compilation of the general comments, the feedback about their lecture, together with global statistics showing how their lecture compares to the others.

If you did not attend the lecture programme, please let us know the reason

General comments on the lecture programme

Did you attend the office hours? *

If so, did you find them beneficial?

If you did not attend the office hour, please let us know the reason

General comments on the office hours

If the office hours had been scheduled later, e.g. at 6:30 pm, would you have attended them

If the office hours had been scheduled right after the last morning lecture, would you have attended them ?

Examples of useful feedback received last year

[*make it in +1 lecture*] ✓ We changed the prog. accordingly

Nice presentation, but with so many figures and numbers, it is easy to get lost. ✓ The speaker took this into account for this year's lecture.

Please don't go over time limit. Always good to remind that !

I would strongly recommend to give guidelines about requirements needed to understand :

✓ We ask the speakers to specify explicitly pre-requisites

Would be better to ask questions directly after lectures

✓ Things were organized differently last year...

THANKS !!

to the HR team: Jennifer Dembski, Martina Bednarikova, Natalia Trajdos and Lauren Whitlatch

for a lot of work done behind the scene and fixing problems before you could notice them !

to the technicians who run the MA: Gilles, Pascal & their team

to the speakers for their excellent lectures

to you – for being an interested, interesting and respectful audience

Enjoy the rest of your stay at CERN, and best wishes for your future !