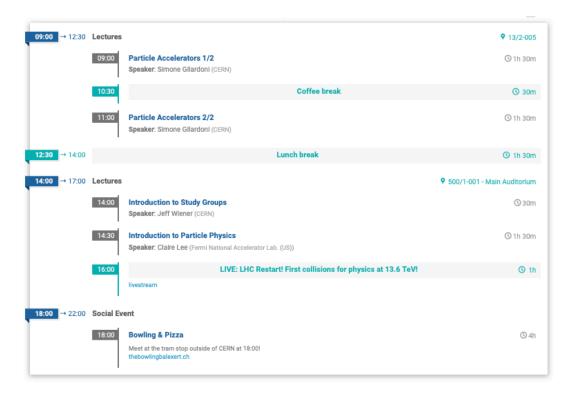
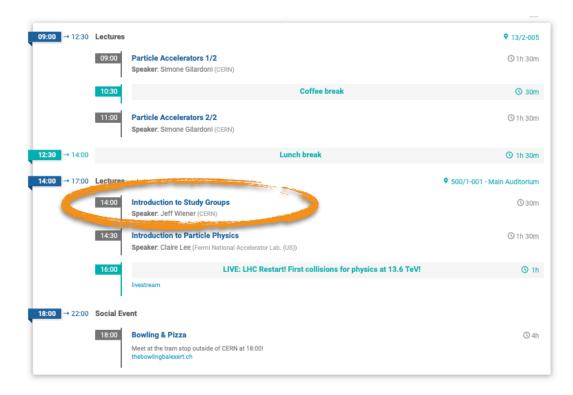
Introduction to Study Groups

International High School Teacher Programme 2022

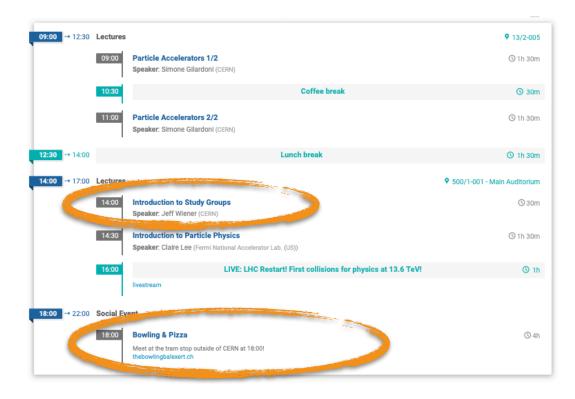














WEEK1

SG Session 1 Wednesday, 6 July 16:00-17:30

SG Session 2 Thursday, 7 July 16:30-17:30 WEEK2

SG Session 3 Monday, 11 July 16:00-17:30

SG Session 4 Thursday, 14 July 14:00-17:00 Last day of HST2022

SG Final Reports Friday, 15 July 9:00-12:30



Which topics?



Particle Accelerators
Engineering at CERN
Medical Applications of Particle Physics
Particle Detectors
Theoretical Physics & Higgs Physics
Computing in Particle Physics
Routrino Physics
Antimatter Research
Future Accelerators





Be creative



Be creative Collaborate



Be creative Collaborate Share your experiences



Be creative Collaborate Share your experiences Learn from your colleagues



Be creative Collaborate Share your experiences Learn from your colleagues Create and develop something



Be creative Collaborate Share your experiences Learn from your colleagues Create and develop something

Independently & self-organised!



Be creative Collaborate Share your experiences Learn from your colleagues Create and develop something

Present the results and outcomes of your study group through a detailed and entertaining final report

Independently & self-organised!



Be creative
Collaborate
Share your experiences
Learn from your colleagues
Create and develop something

Present the results and outcomes of your study group through a detailed and entertaining final report

Independently & self-organised!

5x2mins + 5mins



Be creative Collaborate		
Share your experiences Learn from your colleagues Create and develop something	Present the results and outcomes of your study group through a detailed and entertaining final report	Share the results with your students and your colleagues

Independently & self-organised!

5x2mins + 5mins



Be creative Collaborate		
Share your experiences Learn from your colleagues Create and develop something	Present the results and outcomes of your study group through a detailed and entertaining final report	Share the results with your students and your colleagues

Independently & self-organised!

5x2mins + 5mins

Send us feedback!



Process

Guiding research questions about the SG topics

A) To what extent is the topic featured in your curriculum?

B) Which students' conceptions about the topic do you know?

C) What is your experience with teaching the topic in your classroom?

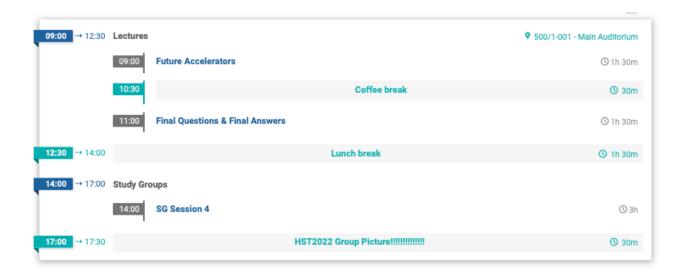
D) Which words and phrases can cause difficulties and misunderstandings?

E) Which aspects of the topic do you consider challenging to teach to students?

F) Which aspects of the topic do you think can be appropriately introduced in the classroom?

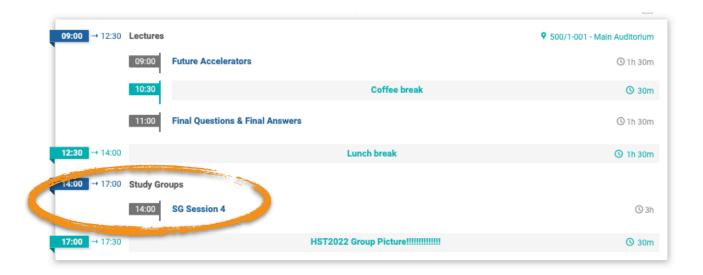


Deadline





Deadline









Output

Guidelines for the final report

1) Curriculum & classroom connections Highlight potential connections to the various curriculums and your individual teaching practises

2) Key ideas

Showcase the most important aspects of the topic that you consider to be key for a meaningful instruction

3) Potential students' conceptions & challenges

Illustrate elements of the topic that might obstruct a successful introduction in the classroom

4) Helpful material and resources

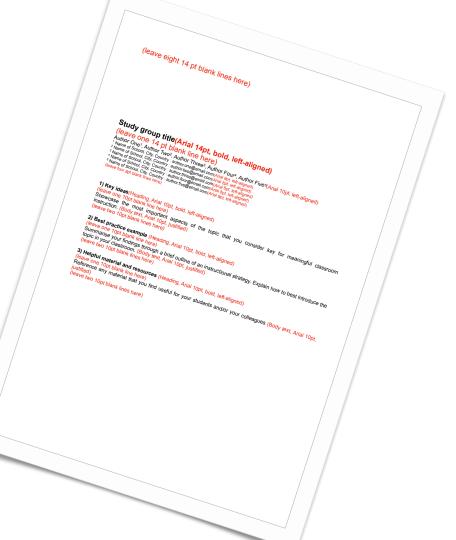
Reference any material that you find useful for your students and/or your colleagues

5) Best practice example

Summarise your findings through a brief outline of an instructional strategy



Output





Questions?

jeff.wiener@cern.ch

