

Introduction to Study Groups

International Teacher Weeks Programme 2022



How and when?

09:00 → 12:30	Lectures	📍 40/S2-D01 - Salle Dirac
09:00	Particle Accelerators 1/2 Speaker: Simone Gilardoni (CERN)	🕒 1h 30m
10:30	Coffee break	🕒 30m
11:00	Particle Accelerators 2/2 Speaker: Simone Gilardoni (CERN)	🕒 1h 30m
12:30 → 14:00	Lunch break	🕒 1h 30m
14:00 → 17:00	Lectures	📍 500/1-001 - Main Auditorium
14:00	Introduction to Study Groups Speaker: Jeff Wiener (CERN)	🕒 30m
14:30	The Discovery of the Higgs Boson Speaker: Luis Roberto Flores Castillo (The Chinese University of Hong Kong (HK))	🕒 1h 30m
16:00	Coffee break	🕒 30m
16:30	First Questions & First Answers Speaker: Luis Roberto Flores Castillo (The Chinese University of Hong Kong (HK))	🕒 30m
18:00 → 22:00	Social Event	
18:00	Bowling & Pizza Meet at the tram stop outside of CERN at 18:00! Everyone needs 2 x 3 CHF for the tram tickets to and from the bowling. Tram stop: Balaxert thebowlingbalaxert.ch	🕒 4h

How and when?

WEEK1

SG Session 1

Wednesday, 3 August
16:00-17:30

SG Session 2

Thursday, 4 August
16:30-17:30

WEEK2

SG Session 3

Monday, 8 August
16:00-17:30

SG Session 4

Thursday, 11 August
14:00-17:00

Last day of ITW2022

SG Final Presentations

Friday, 12 August
9:30-12:30

Which topics?

- 1 Particle Accelerators
- 2 Particle Detectors
- 3 Computing in Particle Physics
- 4 Medical Applications of Particle Physics
- 5 Higgs Physics & Neutrino Physics
- 6 Antimatter Research

Aims and goals?

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 presentation

Share the results with your
students and your **colleagues**

Independently & self-organised!

5x2mins + 5mins

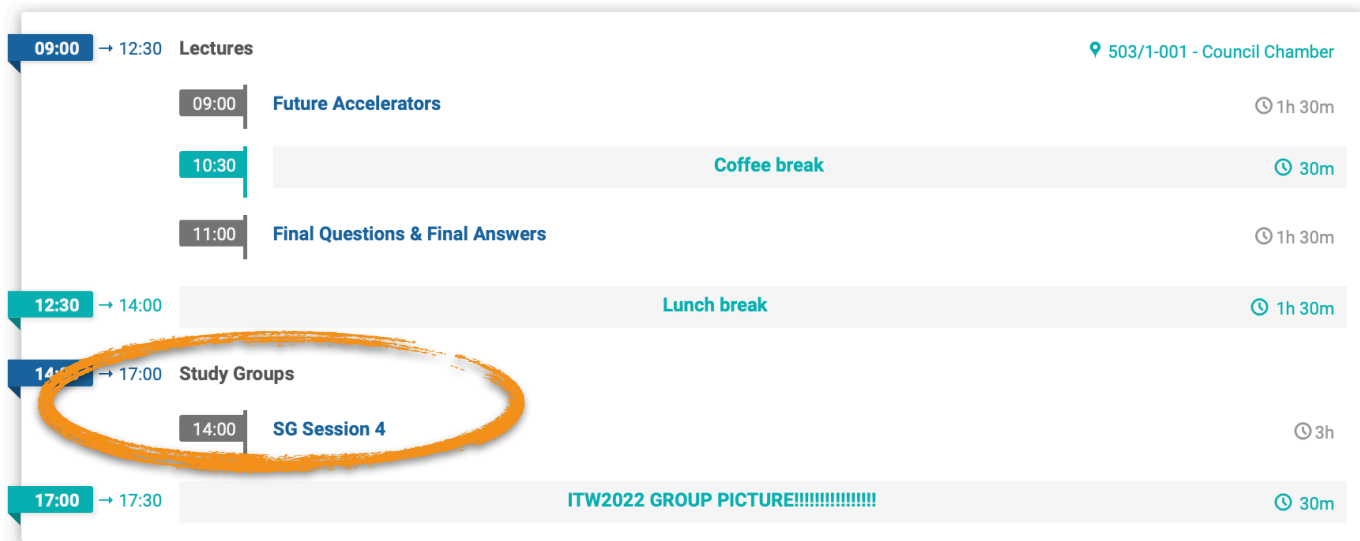
Send us feedback!

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



The image shows a digital schedule for the ITW2022 event in the Council Chamber. The schedule is organized into time slots. A blue box at the top left indicates the overall time from 09:00 to 12:30. The location is identified as 503/1-001 - Council Chamber. The activities are as follows:

Start Time	End Time	Activity	Duration
09:00	10:30	Future Accelerators	1h 30m
10:30	11:00	Coffee break	30m
11:00	12:30	Final Questions & Final Answers	1h 30m
12:30	14:00	Lunch break	1h 30m
14:00	17:00	Study Groups	
14:00	15:30	SG Session 4	3h
17:00	17:30	ITW2022 GROUP PICTURE!!!!!!!!!!!!!!	30m

An orange hand-drawn circle highlights the 'Study Groups' section, specifically the 'SG Session 4' entry.

Output

Guidelines for the final presentation

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



ITW2022
Study Groups

**FINAL
REPORTS**

(leave eight 14 pt blank lines here)

Study group title(Arial 14pt, bold, left-aligned)
(leave one 14 pt blank line here)

Author One¹ Author Two² Author Three³ Author Four⁴ Author Five⁵(Arial 10pt, left-aligned)
¹ Name of School, City, Country author.one@email.com(Arial 8pt, left-aligned)
² Name of School, City, Country author.two@email.com(Arial 8pt, left-aligned)
³ Name of School, City, Country author.three@email.com(Arial 8pt, left-aligned)
⁴ Name of School, City, Country author.four@email.com(Arial 8pt, left-aligned)
⁵ Name of School, City, Country author.five@email.com(Arial 8pt, left-aligned)
(leave six 8pt blank lines here)

1) Key ideas (Heading, Arial 10pt, bold, left-aligned)
(leave one 10pt blank line here)
Showcase the most important
instruction. (Body text, Arial 10pt, justified)
(leave two 10pt blank lines here)

2) Best practice example (Heading, Arial 10pt, bold, left-aligned)
(leave one 10pt blank line here)
Summarise your findings through a brief outline of an instructional strategy. Explain how to best introduce the
topic in your classroom. (Body text, Arial 10pt, justified)
(leave two 10pt blank lines here)

3) Helpful material and resources (Heading, Arial 10pt, bold, left-aligned)
(leave one 10pt blank line here)
Reference any material that you find useful for your students and/or your colleagues (Body text, Arial 10pt,
justified)
(leave two 10pt blank lines here)

Questions?

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