

HST2019

Focus Groups



- 1 Particle Accelerators
- 2 Particle Physics & Errors and Uncertainty
- 3 Particle Detectors
- 4 Medical Applications of Particle Physics
- 5 Computing in Particle Physics
- 6 Theoretical Physics & Higgs Physics
- 7 Data Analysis in Particle Physics
- 8 Antimatter Research
- 9 Engineering & Future Accelerators

WEEK1

FG Session 1
Wednesday, 10 July
15:30-17:00

FG Session 2
Thursday, 11 July
16:30-17:30

WEEK2

FG Session 3
Monday, 15 July
16:00-17:30

FG Session 4
Thursday, 18 July
14:00-17:00

Last day of HST2019

FG Final Reports
Friday, 19 July
9:00-12:30

Guiding research questions about the FG 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?

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