

ITW2019

Focus Groups



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

WEEK1

FG Session 1
Wednesday, 7 August
15:30-17:00

FG Session 2
Thursday, 8 August
16:30-17:30

WEEK2

FG Session 3
Monday, 12 August
16:00-17:30

FG Session 4
Thursday, 15 August
14:00-17:00

Last day of ITW2019

FG Final Reports
Friday, 16 August
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 (Presentation)

Highlight potential connections to the various curriculums and your individual teaching practises

2) Key ideas (Presentation & Paper)

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

3) Potential students' conceptions & challenges (Presentation)

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

4) Helpful material and resources (Presentation)

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

5) Best practice example (Presentation & Paper)

Summarise your findings through a brief outline of an instructional strategy