

Introduction to accelerator physics 2021

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction

Monday 1 February 2021 09:00 (30 minutes)

Presenter: HERNALSTEENS, Cedric (CERN)

Contribution ID: 2

Type: **not specified**

Lecture - Introduction to particle accelerators

Monday 1 February 2021 10:45 (1h 15m)

Presenter: ALEMANY FERNANDEZ, Reyes (CERN)

Contribution ID: 3

Type: **not specified**

Lecture - DC and Linear accelerators

Monday 1 February 2021 13:30 (2 hours)

Presenter: HERNALSTEENS, Cedric (CERN)

Contribution ID: 4

Type: **not specified**

Tutorial session I

Monday 1 February 2021 15:45 (2 hours)

Presenter: VANWELDE, Marion

Contribution ID: 5

Type: **not specified**

Seminar - Introduction to CERN and to the accelerator complex

Monday 1 February 2021 09:30 (1 hour)

Short video about the LHC computing grid:

<https://www.youtube.com/watch?v=LZDSLzU9pZ4>

Presenter: MANGLUNKI, Django

Contribution ID: 6

Type: **not specified**

Seminar - LHC machine protection

Tuesday 2 February 2021 16:00 (1 hour)

Presenter: WOLLMANN, Daniel (CERN)

Contribution ID: 7

Type: **not specified**

Lecture - Circular accelerators

Tuesday 2 February 2021 09:00 (2 hours)

Presenter: HERNALSTEENS, Cedric (CERN)

Contribution ID: 8

Type: **not specified**

Tutorial session II

Tuesday 2 February 2021 15:00 (1 hour)

Presenter: VANWELDE, Marion

Contribution ID: 9

Type: **not specified**

Lecture - Longitudinal motion

Tuesday 2 February 2021 11:00 (1 hour)

Presenter: ALEMANY FERNANDEZ, Reyes (CERN)

Contribution ID: **10**

Type: **not specified**

Lecture - Longitudinal motion

Wednesday 3 February 2021 10:00 (2 hours)

Presenter: ALEMANY FERNANDEZ, Reyes (CERN)

Contribution ID: **11**

Type: **not specified**

Lecture - Transverse motion

Wednesday 3 February 2021 09:00 (1 hour)

Presenter: HERNALSTEENS, Cedric (CERN)

Contribution ID: 12

Type: **not specified**

Tutorial session III

Wednesday 3 February 2021 14:45 (2 hours)

Presenter: VANWELDE, Marion

Contribution ID: **13**

Type: **not specified**

Lecture - Longitudinal motion

Thursday 4 February 2021 10:00 (1 hour)

Presenter: ALEMANY FERNANDEZ, Reyes (CERN)

Contribution ID: 14

Type: **not specified**

Lecture - Colliders and the LHC

Friday 5 February 2021 09:00 (1h 30m)

Presenter: ALEMANY FERNANDEZ, Reyes (CERN)

Contribution ID: 15

Type: **not specified**

Tutorial session IV

Thursday 4 February 2021 15:15 (2 hours)

Presenter: VANWELDE, Marion

Contribution ID: **16**

Type: **not specified**

Seminar - High energy physics and the ATLAS experiment

Thursday 4 February 2021 13:30 (1h 30m)

Presenter: POTAMIANOS, Karolos (University of Oxford (GB))

Contribution ID: 17

Type: **not specified**

Lecture - Synchrotrons and cyclotrons

Thursday 4 February 2021 11:00 (1h 30m)

Presenter: HERNALSTEENS, Cedric (CERN)

Contribution ID: **18**

Type: **not specified**

Tutorial session V

Friday 5 February 2021 15:00 (1 hour)

Presenter: VANWELDE, Marion

Contribution ID: **19**

Type: **not specified**

Q&A

Friday 5 February 2021 16:00 (2 hours)

Presenters: HERNALSTEENS, Cedric (CERN); VANWELDE, Marion

Contribution ID: **20**

Type: **not specified**

Lecture - Transverse motion

Thursday 4 February 2021 09:00 (1 hour)

Presenter: HERNALSTEENS, Cedric (CERN)

Contribution ID: **21**

Type: **not specified**

Exam

Saturday 6 February 2021 08:00 (12 hours)

Presenter: HERNALSTEENS, Cedric (CERN)

Contribution ID: 22

Type: **not specified**

Proton and ion filling schemes for the LHC

Friday 5 February 2021 13:30 (1h 30m)

Presenter: MANGLUNKI, Django

Contribution ID: 23

Type: **not specified**

Lecture - Cyclotrons and synchrotrons

Friday 5 February 2021 10:45 (1h 15m)

Presenter: HERNALSTEENS, Cedric (CERN)

Contribution ID: 24

Type: **not specified**

Seminar - Synchrotron radiation and future colliders

Wednesday 3 February 2021 13:30 (1 hour)

Presenter: ANDRE, Kevin Daniel Joel (University of Liverpool (GB))

Contribution ID: 25

Type: **not specified**

Lecture - Betatron motion

Tuesday 2 February 2021 13:30 (1h 30m)

Presenter: HERNALSTEENS, Cedric (CERN)