

Michaelmas Term 2021



Report of Contributions

Contribution ID: 1

Type: **not specified**

Lecture 1 - Types of Accelerators

Thursday, 14 October 2021 10:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 1

Contribution ID: 2

Type: **not specified**

Lecture 3 - Live Feed - LHC Control Centre

Thursday, 14 October 2021 14:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 1

Contribution ID: 3

Type: **not specified**

Lecture 2 - Applications of Accelerators

Thursday, 14 October 2021 12:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 1

Contribution ID: 4

Type: **not specified**

Lecture 4 - Transverse Optics I

Thursday, 21 October 2021 10:00 (1 hour)

Presenter: Dr GARCIA MORALES, Hector (University of Oxford)

Session Classification: Week 2

Contribution ID: 5

Type: **not specified**

Lecture 5 - Transverse Optics II

Thursday, 21 October 2021 12:00 (1 hour)

Presenter: Dr GARCIA MORALES, Hector (University of Oxford)

Session Classification: Week 2

Contribution ID: 6

Type: **not specified**

Lecture 6 - Lattice Design

Thursday, 28 October 2021 10:00 (1 hour)

Presenter: Dr GARCIA MORALES, Hector (University of Oxford)

Session Classification: Week 3

Contribution ID: 7

Type: **not specified**

Lecture 7 - Beams and Imperfections

Thursday, 28 October 2021 12:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 3

Contribution ID: 8

Type: **not specified**

Tutorial 2 - Transverse Optics

Thursday, 28 October 2021 14:00 (2 hours)

Presenter: Dr GARCIA MORALES, Hector (University of Oxford)

Session Classification: Week 3

Contribution ID: 9

Type: **not specified**

Lecture 8 - Basic Plasma Physics Concepts for Plasma Accelerators

Tuesday, 2 November 2021 11:00 (1 hour)

Presenter: Dr MANGLES, Stuart (Imperial College London)

Session Classification: Week 4

Contribution ID: **10**

Type: **not specified**

Lecture 10 - Longitudinal Dynamics

Thursday, 4 November 2021 10:00 (1 hour)

Presenter: Mr WILLIAMSON, Robert (STFC)

Session Classification: Week 4

Contribution ID: 11

Type: **not specified**

Lecture 11 - Momentum Effects

Thursday, 4 November 2021 12:00 (1 hour)

Presenter: Mr WILLIAMSON, Robert (STFC)

Session Classification: Week 4

Contribution ID: 12

Type: **not specified**

Tutorial 3 - Longitudinal Dynamics

Wednesday, 10 November 2021 14:00 (2 hours)

Presenter: Mr WILLIAMSON, Robert (STFC)

Session Classification: Week 5

Contribution ID: 14

Type: **not specified**

Lecture 14 - Properties of Synchrotron Radiation

Thursday, 11 November 2021 10:00 (1 hour)

Presenter: Dr MARTIN, Ian (Diamond Light Source)

Session Classification: Week 5

Contribution ID: 15

Type: **not specified**

Lecture 16 - Plasma-based Ion Acceleration

Tuesday, 16 November 2021 11:00 (1 hour)

Presenter: Prof. NAJMUDIN, Zulfikar (Imperial College London)

Session Classification: Week 6

Contribution ID: 16

Type: **not specified**

Lecture 9 - Plasma-based Electron Acceleration

Tuesday, 2 November 2021 16:00 (1 hour)

Presenter: Dr MANGLES, Stuart (Imperial College London)

Session Classification: Week 4

Contribution ID: 17

Type: **not specified**

Lecture 19 - Cavities III

Thursday, 18 November 2021 12:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 6

Contribution ID: **18**

Type: **not specified**

Lecture 20 - RF Cavity Design

Thursday, 18 November 2021 14:00 (2 hours)

Presenter: Dr PLOSTINAR, Ciprian (STFC)

Session Classification: Week 6

Contribution ID: 19

Type: **not specified**

Lecture 17 - Cavities I

Thursday, 18 November 2021 10:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 6

Contribution ID: 20

Type: **not specified**

Lecture 18 - Cavities II

Thursday, 18 November 2021 11:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 6

Contribution ID: 24

Type: **not specified**

Tutorial 4 - Cavities

Thursday, 25 November 2021 14:00 (2 hours)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 7

Contribution ID: 25

Type: **not specified**

Lecture 21 - Beam Diagnostics & Instr.

Thursday, 25 November 2021 10:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 7

Contribution ID: 26

Type: **not specified**

Lecture 24 - Parameters for FCC-ee Project Design

Thursday, 25 November 2021 09:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 7

Contribution ID: 27

Type: **not specified**

Tutorial 6 - Synchrotron Radiation

Thursday, 2 December 2021 14:00 (2 hours)

Presenter: Dr MARTIN, Ian (Diamond Light Source)

Session Classification: Week 8

Contribution ID: **30**

Type: **not specified**

Tutorial 1 - Introduction to Accelerators

Wednesday, 20 October 2021 14:00 (2 hours)

Presenter: Prof. TSESMELIS, Emmanuel

Session Classification: Week 2

Contribution ID: **31**

Type: **not specified**

Lecture 12 - Hamiltonian Dynamics I

Tuesday, 9 November 2021 11:00 (1 hour)

Presenter: Dr KELLIHER, David (STFC)

Session Classification: Week 5

Contribution ID: 32

Type: **not specified**

Lecture 13 - Hamiltonian Dynamics II

Tuesday, 9 November 2021 16:00 (1 hour)

Presenter: Dr KELLIHER, David (STFC)

Session Classification: Week 5

Contribution ID: 33

Type: **not specified**

Lecture 15 - Undulators & Wigglers

Thursday, 11 November 2021 11:00 (1 hour)

Presenter: Dr MARTIN, Ian (Diamond Light Source)

Session Classification: Week 5

Contribution ID: 34

Type: **not specified**

Tutorial 5 - Hamiltonian Dynamics

Thursday, 2 December 2021 11:00 (2 hours)

Presenter: Dr KELLIHER, David (STFC)

Session Classification: Week 8

Contribution ID: 35

Type: **not specified**

Lecture 22 - Radiation Damping

Thursday, 25 November 2021 11:00 (1 hour)

Presenter: Dr MARTIN, Ian (Diamond Light Source)

Session Classification: Week 7

Contribution ID: 36

Type: **not specified**

Lecture 23 - Radiation Excitation

Thursday, 25 November 2021 12:00 (1 hour)

Presenter: Dr MARTIN, Ian (Diamond Light Source)

Session Classification: Week 7