

Michaelmas Term 2020



Report of Contributions

Contribution ID: 1

Type: **not specified**

Lecture 1 - Types of Accelerators

Thursday 15 October 2020 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 15 October 2020 14:15 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 1

Contribution ID: 3

Type: **not specified**

Lecture 2 - Applications of Accelerators

Thursday 15 October 2020 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 22 October 2020 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 22 October 2020 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 29 October 2020 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 29 October 2020 12:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 3

Contribution ID: 8

Type: **not specified**

Tutorial 2 - Transverse Optics

Thursday 5 November 2020 14:00 (2 hours)

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

Session Classification: Week 4

Contribution ID: 9

Type: **not specified**

Lecture 8 - Basic Plasma Physics Concepts for Plasma Accelerators

Tuesday 3 November 2020 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 5 November 2020 10:00 (1 hour)

Presenter: Mr WILLIAMSON, Robert (STFC)

Session Classification: Week 4

Contribution ID: **11**

Type: **not specified**

Lecture 11 - Momentum Effects

Thursday 5 November 2020 12:00 (1 hour)

Presenter: Mr WILLIAMSON, Robert (STFC)

Session Classification: Week 4

Contribution ID: 12

Type: **not specified**

Tutorial 3 - Longitudinal Dynamics

Thursday 12 November 2020 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 12 November 2020 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 17 November 2020 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 3 November 2020 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 19 November 2020 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 19 November 2020 14:00 (2 hours)

Presenter: Dr PLOSTINAR, Ciprian (STFC)

Session Classification: Week 6

Contribution ID: **19**

Type: **not specified**

Lecture 17 - Cavities I

Thursday 19 November 2020 10:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 6

Contribution ID: 20

Type: **not specified**

Lecture 18 - Cavities II

Thursday 19 November 2020 11:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 6

Contribution ID: 24

Type: **not specified**

Tutorial 4 - Cavities

Thursday 26 November 2020 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 26 November 2020 10:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 7

Contribution ID: 26

Type: **not specified**

Lecture 24 - Parameters for eSPS Project Design

Thursday 26 November 2020 16:00 (1 hour)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Week 7

Contribution ID: 27

Type: **not specified**

Tutorial 6 - Synchrotron Radiation

Thursday 3 December 2020 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

Thursday 22 October 2020 14:00 (2 hours)

Presenter: Prof. TSESMELIS, Emmanuel

Session Classification: Week 2

Contribution ID: **31**

Type: **not specified**

Lecture 12 - Hamiltonian Dynamics I

Tuesday 10 November 2020 11:00 (1 hour)

Presenter: Dr KELLIHER, David (ASTeC/RAL/STFC)

Session Classification: Week 5

Contribution ID: **32**

Type: **not specified**

Lecture 13 - Hamiltonian Dynamics II

Tuesday 10 November 2020 16:00 (1 hour)

Presenter: Dr KELLIHER, David (ASTeC/RAL/STFC)

Session Classification: Week 5

Contribution ID: 33

Type: **not specified**

Lecture 15 - Undulators & Wigglers

Thursday 12 November 2020 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 3 December 2020 11:00 (2 hours)

Presenter: Dr KELLIHER, David (ASTeC/RAL/STFC)

Session Classification: Week 8

Contribution ID: 35

Type: **not specified**

Lecture 22 - Radiation Damping

Thursday 26 November 2020 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 26 November 2020 12:00 (1 hour)

Presenter: Dr MARTIN, Ian (Diamond Light Source)

Session Classification: Week 7