

# Michaelmas Term 2017



## Report of Contributions

Contribution ID: 1

Type: **not specified**

## **Lecture 1 - Types of Accelerators**

*Wednesday 11 October 2017 10:00 (1 hour)*

**Presenter:** Dr SHEEHY, Suzie (University of Oxford and STFC/ASTeC/RAL)

**Session Classification:** Week 1

Contribution ID: 2

Type: **not specified**

## **Lecture 2 - Live Feed - LHC Control Centre**

*Wednesday 11 October 2017 14:15 (1 hour)*

**Presenter:** Prof. TSESMELIS, Emmanuel (CERN)

**Session Classification:** Week 1

Contribution ID: 3

Type: **not specified**

## **Lecture 3 - Applications of Accelerators**

*Thursday 12 October 2017 10:00 (1 hour)*

**Presenter:** Prof. TSESMELIS, Emmanuel (CERN)

**Session Classification:** Week 1

Contribution ID: 4

Type: **not specified**

## Lecture 4 - Transverse Optics I

*Wednesday 18 October 2017 10:00 (1 hour)*

**Presenter:** Dr SHEEHY, Suzie (University of Oxford and STFC/ASTeC/RAL)

**Session Classification:** Week 2

Contribution ID: 5

Type: **not specified**

## Lecture 5 - Transverse Optics II

*Thursday 19 October 2017 10:00 (1 hour)*

**Presenter:** Dr SHEEHY, Suzie (University of Oxford and STFC/ASTeC/RAL)

**Session Classification:** Week 2

Contribution ID: 6

Type: **not specified**

## **Lecture 6 - Longitudinal Dynamics**

*Wednesday 25 October 2017 10:00 (1 hour)*

**Presenter:** Prof. BOOGERT, Stewart (Royal Holloway, University of London)

**Session Classification:** Week 3

Contribution ID: 7

Type: **not specified**

## **Lecture 7 - Momentum Effects**

*Thursday 26 October 2017 10:00 (1 hour)*

**Presenter:** Prof. BOOGERT, Stewart (Royal Holloway, University of London)

**Session Classification:** Week 3



Contribution ID: 8

Type: **not specified**

## **Tutorial 1 - Transverse Optics**

*Thursday 26 October 2017 14:15 (2 hours)*

**Presenter:** Prof. TSESMELIS, Emmanuel (CERN)

**Session Classification:** Week 3

Contribution ID: 9

Type: **not specified**

## **Lecture 8 - Basic Plasma Physics Concepts for plasma accelerators**

*Tuesday 31 October 2017 10:00 (1 hour)*

**Presenter:** Dr MANGLES, Stuart (Imperial College London)

**Session Classification:** Week 4

Contribution ID: **10**

Type: **not specified**

## **Lecture 9 - Lattice Design**

*Wednesday 1 November 2017 10:00 (1 hour)*

**Presenter:** Dr SHEEHY, Suzie (University of Oxford and STFC/ASTeC/RAL)

**Session Classification:** Week 4

Contribution ID: 11

Type: **not specified**

## **Lecture 10 - Beams and Imperfections**

*Thursday 2 November 2017 10:00 (1 hour)*

**Presenter:** Dr BODENSTEIN, Ryan (John Adams Institute - Oxford)

**Session Classification:** Week 4

Contribution ID: 12

Type: **not specified**

## **Tutorial 2 - Longitudinal Optics**

*Thursday 2 November 2017 14:15 (2 hours)*

**Presenter:** Prof. TSESMELIS, Emmanuel (CERN)

**Session Classification:** Week 4

Contribution ID: 13

Type: **not specified**

## Lecture 11 - Plasma-based Ion Acceleration

**Presenter:** Dr SAHAI, Aakash (Imperial College London, Physics department)

**Session Classification:** Week 5

Contribution ID: 14

Type: **not specified**

## **Lecture 12 - Synchrotron radiation I**

*Thursday 9 November 2017 10:00 (1 hour)*

**Presenter:** Prof. BARTOLINI, Riccardo (Diamond Light Source and John Adams Institute (Oxford University))

**Session Classification:** Week 5

Contribution ID: 15

Type: **not specified**

## Lecture 11 - Plasma-based Ion Acceleration

*Tuesday 7 November 2017 10:00 (1 hour)*

**Presenter:** Dr SAHAI, Aakash (Imperial College London, Physics department)

**Session Classification:** Week 5



Contribution ID: 16

Type: **not specified**

## **Lecture 13 - Plasma-based Electron Acceleration**

*Tuesday 14 November 2017 10:00 (1 hour)*

**Presenter:** Dr MANGLES, Stuart (Imperial College London)

**Session Classification:** Week 6

Contribution ID: 17

Type: **not specified**

## Lecture 14 - Cavities I

*Wednesday 15 November 2017 10:00 (1 hour)*

**Presenter:** Prof. TSESMELIS, Emmanuel (CERN)

**Session Classification:** Week 6

Contribution ID: **18**

Type: **not specified**

## **Lecture 15 - RF Cavity Design**

*Wednesday 15 November 2017 14:15 (2 hours)*

**Presenter:** Dr PLOSTINAR, Ciprian (STFC)

**Session Classification:** Week 6

Contribution ID: **19**

Type: **not specified**

## **Lecture 16 - Cavities II**

*Thursday 16 November 2017 10:00 (1 hour)*

**Presenter:** Prof. TSESMELIS, Emmanuel (CERN)

**Session Classification:** Week 6

Contribution ID: 20

Type: **not specified**

## Lecture 17 - Cavities III

*Thursday 16 November 2017 11:00 (1 hour)*

**Presenter:** Prof. TSESMELIS, Emmanuel (CERN)

**Session Classification:** Week 6

Contribution ID: 21

Type: **not specified**

## Lecture 18 - Synchrotron Radiation II

*Wednesday 22 November 2017 09:00 (1 hour)*

**Presenter:** Prof. BARTOLINI, Riccardo (Diamond Light Source and John Adams Institute (Oxford University))

**Session Classification:** Week 7

Contribution ID: 22

Type: **not specified**

## Lecture 19 - Synchrotron Radiation II

**Presenter:** Prof. BARTOLINI, Riccardo (Diamond Light Source and John Adams Institute (Oxford University))

**Session Classification:** Week 7

Contribution ID: 23

Type: **not specified**

## Lecture 20 - Wigglers and Undulators

**Presenter:** Prof. BARTOLINI, Riccardo (Diamond Light Source and John Adams Institute (Oxford University))

**Session Classification:** Week 7



Contribution ID: 24

Type: **not specified**

## **Tutorial 3 - Cavities**

*Thursday 23 November 2017 14:15 (2 hours)*

**Presenter:** Prof. TSESMEELIS, Emmanuel (CERN)

**Session Classification:** Week 7

Contribution ID: 25

Type: **not specified**

## **Lecture 21 - Beam Diagnostics & Instr.**

*Wednesday 29 November 2017 12:00 (1 hour)*

**Presenter:** Prof. TSESMELIS, Emmanuel (CERN)

**Session Classification:** Week 8

Contribution ID: 26

Type: **not specified**

## Lecture 22 - Parameters for Project Design

*Thursday 30 November 2017 10:00 (1 hour)*

**Presenter:** Prof. SERGI, Andrei (University of Oxford (GB))

**Session Classification:** Week 8

Contribution ID: 27

Type: **not specified**

## **Tutorial 4 - Synchrotron Radiation**

*Thursday 30 November 2017 14:15 (2 hours)*

**Presenter:** Prof. BARTOLINI, Riccardo (Diamond Light Source and John Adams Institute (Oxford University))

**Session Classification:** Week 8

Contribution ID: 28

Type: **not specified**

## Synchrotron radiation lecture 2

**Presenter:** BARTOLINI, Riccardo (Diamond Light Source and John Adams Institute (Oxford University))

Contribution ID: 29

Type: **not specified**

## Lecture 19 - electron dynamics I

*Wednesday 22 November 2017 10:00 (1 hour)*

**Presenter:** BARTOLINI, Riccardo (Diamond Light Source and John Adams Institute (Oxford University))

**Session Classification:** Week 7