

International Particle Physics Masterclass 2020



Report of Contributions

Contribution ID: 1

Type: **not specified**

What is the world made of?

Monday 23 March 2020 09:35 (35 minutes)

An introduction to Particle Physics

Presenters: ABDULLAHI, Asli (IPPP, Durham University); PISCOPO, Maria Laura (IPPP, Durham University)

Contribution ID: 2

Type: **not specified**

How can we "see" elementary particles?

Monday 23 March 2020 10:10 (35 minutes)

An introduction to the Large Hadron Collider

Presenters: Dr MASOUMINIA, Aidin (IPPP, Durham University); CHAHAL, Gurpreet Singh (IPPP Durham University and Imperial College London)

Contribution ID: 3

Type: **not specified**

The W, Z and Higgs bosons at CMS

Monday 23 March 2020 11:00 (45 minutes)

How do we discover new particles?

Presenters: KWOK, Kevin (IPPP, Durham University); MOODIE, Ryan (IPPP, Durham University)

Contribution ID: 4

Type: **not specified**

Hands-on activity

Monday 23 March 2020 12:45 (2 hours)

Working with the existing LHC data

Contribution ID: 5

Type: **not specified**

Sharing your findings

Monday 23 March 2020 15:00 (1 hour)

Videoconference with CERN and four other institutions

Contribution ID: 6

Type: **not specified**

Welcome

Monday 23 March 2020 09:30 (5 minutes)

Presenter: LENZ, Alexander (IPPP, Durham University)

Contribution ID: 7

Type: **not specified**

Welcome

Tuesday 24 March 2020 09:30 (5 minutes)

Presenter: LENZ, Alexander (IPPP, Durham University)

Contribution ID: 8

Type: **not specified**

What is the world made of?

Tuesday 24 March 2020 09:35 (35 minutes)

An introduction to Particle Physics

Presenters: ABDULLAHI, Asli (IPPP, Durham University); PISCOPO, Maria Laura (IPPP, Durham University)

Contribution ID: 9

Type: **not specified**

How can we "see" elementary particles?

Tuesday 24 March 2020 10:10 (35 minutes)

An introduction to the Large Hadron Collider

Presenters: MASOUMINIA, Aidin (IPPP, Durham University); CHAHAL, Gurpreet Singh (IPPP Durham University and Imperial College London)

Contribution ID: **10**

Type: **not specified**

The W, Z and Higgs bosons at CMS

Tuesday 24 March 2020 11:00 (45 minutes)

How do we discover new particles?

Presenters: KWOK, Kevin (IPPP, Durham University); MOODIE, Ryan (IPPP, Durham University)

Contribution ID: **11**

Type: **not specified**

Hands-on activity

Tuesday 24 March 2020 12:45 (2 hours)

Working with the existing LHC data

Contribution ID: 12

Type: **not specified**

Sharing your findings

Tuesday 24 March 2020 15:00 (1 hour)

Videoconference with CERN and four other institutions