

Summer Student Lecture Programme 2023

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome and introduction to the CERN Summer Student Lecture Programme

Tuesday 27 June 2023 09:15 (20 minutes)

Presenters: SICKING, Eva (CERN); MCCULLOUGH, Matthew Philip (CERN)

Contribution ID: 2

Type: **not specified**

Introduction to the CERN Openlab Lecture Programme

Tuesday 27 June 2023 09:35 (10 minutes)

Presenter: Mr BUNINO, Matteo (CERN)

Contribution ID: 3

Type: **not specified**

Introduction to the CERN Summer Student Workshops

Tuesday 27 June 2023 09:45 (20 minutes)

Presenter: NEUFELD, Niko (CERN)

Contribution ID: 4

Type: **not specified**

Particle World 1/3

Tuesday 27 June 2023 10:25 (55 minutes)

Presenter: TONG, David

Contribution ID: 5

Type: **not specified**

Detectors 1/5

Tuesday 27 June 2023 11:35 (55 minutes)

Presenter: RIEGLER, Werner (CERN)

Contribution ID: 6

Type: **not specified**

Particle World - 2/3

Presenter: TONG, David

Contribution ID: 7

Type: **not specified**

Detectors 2/5

Wednesday 28 June 2023 10:25 (55 minutes)

Presenter: RIEGLER, Werner (CERN)

Contribution ID: 8

Type: **not specified**

From Raw Data to Physics Results 1/3

Wednesday 28 June 2023 11:35 (55 minutes)

Presenter: LAYCOCK, Paul James (Universite de Geneve (CH))

Contribution ID: 9

Type: **not specified**

Particle World 2/3

Wednesday 28 June 2023 09:15 (55 minutes)

Presenter: TONG, David

Contribution ID: **10**

Type: **not specified**

From Raw Data to Physics Results 2/3

Thursday 29 June 2023 09:15 (55 minutes)

Presenter: LAYCOCK, Paul James (Universite de Geneve (CH))

Contribution ID: 11

Type: **not specified**

Particle World 3/3

Thursday 29 June 2023 10:25 (55 minutes)

Presenter: TONG, David

Contribution ID: 12

Type: **not specified**

Detectors 3/5

Thursday 29 June 2023 11:35 (55 minutes)

Presenter: RIEGLER, Werner (CERN)

Contribution ID: 13

Type: **not specified**

Detectors 4/5

Friday 30 June 2023 09:15 (55 minutes)

Presenter: RIEGLER, Werner (CERN)

Contribution ID: 14

Type: **not specified**

From Raw Data to Physics Results 3/3

Friday 30 June 2023 10:25 (55 minutes)

Presenter: LAYCOCK, Paul James (Universite de Geneve (CH))

Contribution ID: 15

Type: **not specified**

Particle World - Q&A session

Friday 30 June 2023 11:35 (55 minutes)

Presenter: TONG, David

Contribution ID: 16

Type: **not specified**

Nuclear Physics at CERN 1/2

Monday 10 July 2023 09:15 (55 minutes)

Presenter: KOWALSKA, Magdalena (CERN)

Contribution ID: 17

Type: **not specified**

Detectors 5/5

Monday 3 July 2023 10:25 (55 minutes)

Presenter: RIEGLER, Werner (CERN)

Contribution ID: **18**

Type: **not specified**

The Standard Model 1/5

Monday 3 July 2023 11:35 (55 minutes)

Presenter: GROJEAN, Christophe (DESY (Hamburg) and Humboldt University (Berlin))

Contribution ID: 19

Type: **not specified**

Foundation of Statistics 1/4

Tuesday 4 July 2023 09:15 (55 minutes)

Presenters: COWAN, Glen (Royal Holloway, University of London); COWAN, Glen (Royal Holloway)

Contribution ID: 20

Type: **not specified**

The Standard Model 2/5

Tuesday 4 July 2023 10:25 (55 minutes)

Presenter: GROJEAN, Christophe (DESY (Hamburg) and Humboldt University (Berlin))

Contribution ID: 21

Type: **not specified**

Nuclear Physics at CERN 2/2

Tuesday 11 July 2023 10:25 (55 minutes)

Presenter: KOWALSKA, Magdalena (CERN)

Contribution ID: 22

Type: **not specified**

The Standard Model 3/5

Wednesday 5 July 2023 09:15 (55 minutes)

Presenter: GROJEAN, Christophe (DESY (Hamburg) and Humboldt University (Berlin))

Contribution ID: 23

Type: **not specified**

Foundation of Statistics 2/4

Wednesday 5 July 2023 10:25 (55 minutes)

Presenters: COWAN, Glen (Royal Holloway, University of London); COWAN, Glen (Royal Holloway)

Contribution ID: 24

Type: **not specified**

Particle Accelerators and Beam Dynamics 1/3

Wednesday 5 July 2023 11:35 (55 minutes)

Presenter: ASVESTA, Foteini (CERN)

Contribution ID: 25

Type: **not specified**

Foundation of Statistics 3/4

Thursday 6 July 2023 09:15 (55 minutes)

Presenters: COWAN, Glen (Royal Holloway, University of London); COWAN, Glen (Royal Holloway)

Contribution ID: 26

Type: **not specified**

Particle Accelerators and Beam Dynamics 2/3

Thursday 6 July 2023 10:25 (55 minutes)

Presenter: ASVESTA, Foteini (CERN)

Contribution ID: 27

Type: **not specified**

The Standard Model 4/5

Thursday 6 July 2023 11:35 (55 minutes)

Presenter: GROJEAN, Christophe (DESY (Hamburg) and Humboldt University (Berlin))

Contribution ID: 28

Type: **not specified**

Particle Accelerators and Beam Dynamics 3/3

Friday 7 July 2023 09:15 (55 minutes)

Presenter: ASVESTA, Foteini (CERN)

Contribution ID: 29

Type: **not specified**

The Standard Model 5/5

Friday 7 July 2023 10:25 (55 minutes)

Presenter: GROJEAN, Christophe (DESY (Hamburg) and Humboldt University (Berlin))

Contribution ID: 30

Type: **not specified**

Foundation of Statistics 4/4

Friday 7 July 2023 11:35 (55 minutes)

Presenters: COWAN, Glen (Royal Holloway, University of London); COWAN, Glen (Royal Holloway)

Contribution ID: 31

Type: **not specified**

Accelerator Technology Challenges Part 1 - 1/2

Monday 3 July 2023 09:15 (55 minutes)

Presenter: IZQUIERDO BERMUDEZ, Susana (CERN)

Contribution ID: 32

Type: **not specified**

Theoretical Concepts in Particle Physics 1/5

Monday 10 July 2023 10:25 (55 minutes)

Presenter: COHEN, Tim (CERN)

Contribution ID: 33

Type: **not specified**

Future High Energy Collider Projects 1/2

Monday 10 July 2023 11:35 (55 minutes)

Presenters: DALENA, Barbara (CEA-Irfu & Université Paris-Saclay (FR)); DALENA, Barbara (Univ. + INFN)

Contribution ID: 34

Type: **not specified**

Future High Energy Collider Projects 2/2

Tuesday 11 July 2023 09:15 (55 minutes)

Presenters: DALENA, Barbara (CEA-Irfu & Université Paris-Saclay (FR)); DALENA, Barbara (Univ. + INFN)

Contribution ID: 35

Type: **not specified**

Accelerator Technology Challenges Part 1 - 2/2

Tuesday 4 July 2023 11:35 (55 minutes)

Presenter: IZQUIERDO BERMUDEZ, Susana (CERN)

Contribution ID: 36

Type: **not specified**

Theoretical Concepts in Particle Physics 2/5

Tuesday 11 July 2023 11:35 (55 minutes)

Presenter: COHEN, Tim (CERN)

Contribution ID: 37

Type: **not specified**

Cosmology 1/3

Wednesday 12 July 2023 09:15 (55 minutes)

Presenter: DOMCKE, Valerie (CERN)

Contribution ID: **38**

Type: **not specified**

Heavy Ion Physics 1/3

Wednesday 12 July 2023 10:25 (55 minutes)

Presenter: BELLINI, Francesca (Universita e INFN, Bologna (IT))

Contribution ID: 39

Type: **not specified**

Theoretical Concepts in Particle Physics 3/5

Wednesday 12 July 2023 11:35 (55 minutes)

Presenter: COHEN, Tim (CERN)

Contribution ID: 40

Type: **not specified**

Heavy Ion Physics 2/3

Thursday 13 July 2023 09:15 (55 minutes)

Presenter: BELLINI, Francesca (Universita e INFN, Bologna (IT))

Contribution ID: 41

Type: **not specified**

Theoretical Concepts in Particle Physics 4/5

Thursday 13 July 2023 10:25 (55 minutes)

Presenter: COHEN, Tim (CERN)

Contribution ID: 42

Type: **not specified**

Cosmology 2/3

Thursday 13 July 2023 11:35 (55 minutes)

Presenter: DOMCKE, Valerie (CERN)

Contribution ID: 43

Type: **not specified**

Theoretical Concepts in Particle Physics 5/5

Friday 14 July 2023 09:15 (55 minutes)

Presenter: COHEN, Tim (CERN)

Contribution ID: 44

Type: **not specified**

Cosmology 3/3

Friday 14 July 2023 10:25 (55 minutes)

Presenter: DOMCKE, Valerie (CERN)

Contribution ID: 45

Type: **not specified**

Heavy Ion Physics 3/3

Friday 14 July 2023 11:35 (55 minutes)

Presenter: BELLINI, Francesca (Universita e INFN, Bologna (IT))

Contribution ID: 46

Type: **not specified**

Accelerator Technology Challenges Part 2 - 1/2

Monday 17 July 2023 09:15 (55 minutes)

Presenter: VENTURINI DELSOLARO, Walter (CERN)

Contribution ID: 47

Type: **not specified**

Experimental Physics at Hadron Colliders 1/4

Monday 17 July 2023 10:25 (55 minutes)

Presenter: KLUTE, Markus (Karlsruhe Inst. of Technology (GER))

Contribution ID: 48

Type: **not specified**

Flavour Physics 1/3

Monday 17 July 2023 11:35 (55 minutes)

Presenter: WILLIAMS, Mark Richard James (The University of Edinburgh (GB))

Contribution ID: 49

Type: **not specified**

Flavour Physics 2/3

Tuesday 18 July 2023 09:15 (55 minutes)

Presenter: WILLIAMS, Mark Richard James (The University of Edinburgh (GB))

Contribution ID: 50

Type: **not specified**

Accelerator Technology Challenges Part 2 - 2/2

Tuesday 18 July 2023 10:25 (55 minutes)

Presenter: VENTURINI DELSOLARO, Walter (CERN)

Contribution ID: 51

Type: **not specified**

Experimental Physics at Hadron Colliders 2/4

Tuesday 18 July 2023 11:35 (55 minutes)

Presenter: KLUTE, Markus (Karlsruhe Inst. of Technology (GER))

Contribution ID: 52

Type: **not specified**

Astroparticle Physics 1/2

Wednesday 19 July 2023 09:15 (55 minutes)

Presenter: Dr KAVANAGH, Bradley

Contribution ID: 53

Type: **not specified**

Flavour Physics 3/3

Wednesday 19 July 2023 10:25 (55 minutes)

Presenter: WILLIAMS, Mark Richard James (The University of Edinburgh (GB))

Contribution ID: 54

Type: **not specified**

Physics and Medical Applications 1/2

Wednesday 19 July 2023 11:35 (55 minutes)

Presenter: CIRILLI, Manuela (CERN)

Contribution ID: 55

Type: **not specified**

Accelerator Technology Challenges Part 3 - 1/2

Thursday 20 July 2023 09:15 (55 minutes)

Presenter: SALVAT PUJOL, Francesc (CERN)

Contribution ID: 56

Type: **not specified**

Experimental Physics at Hadron Colliders 3/4

Thursday 20 July 2023 10:25 (55 minutes)

Presenter: KLUTE, Markus (Karlsruhe Inst. of Technology (GER))

Contribution ID: 57

Type: **not specified**

Astroparticle Physics 2/2

Thursday 20 July 2023 11:35 (55 minutes)

Presenter: Dr KAVANAGH, Bradley

Contribution ID: 58

Type: **not specified**

Physics and Medical Applications 2/2

Friday 21 July 2023 11:35 (55 minutes)

Presenter: CIRILLI, Manuela (CERN)

Contribution ID: 59

Type: **not specified**

Accelerator Technology Challenges Part 3 - 2/2

Friday 21 July 2023 10:25 (55 minutes)

Presenter: SALVAT PUJOL, Francesc (CERN)

Contribution ID: **60**

Type: **not specified**

Experimental Physics at Hadron Colliders 4/4

Friday 21 July 2023 09:15 (55 minutes)

Presenter: KLUTE, Markus (Karlsruhe Inst. of Technology (GER))

Contribution ID: **61**

Type: **not specified**

Making Predictions at Hadron Colliders 1/2

Monday 24 July 2023 09:15 (55 minutes)

Presenter: HUSS, Alexander Yohei (CERN)

Contribution ID: **62**

Type: **not specified**

Experimental Physics at Lepton Colliders 1/2

Monday 24 July 2023 10:25 (55 minutes)

Presenter: SIMON, Frank (Max-Planck-Institut fuer Physik)

Contribution ID: 63

Type: **not specified**

Antimatter in the Laboratory 1/2

Monday 24 July 2023 11:35 (55 minutes)

Presenter: DEVLIN, Jack (Imperial College (GB))

Contribution ID: 64

Type: **not specified**

Antimatter in the Laboratory 2/2

Tuesday 25 July 2023 09:15 (55 minutes)

Presenter: DEVLIN, Jack (Imperial College (GB))

Contribution ID: 65

Type: **not specified**

Physics Beyond the Standard Model 1/4

Tuesday 25 July 2023 10:25 (55 minutes)

Presenter: YOU, Tevong (King's College London)

Contribution ID: **66**

Type: **not specified**

Experimental Physics at Lepton Colliders 2/2

Tuesday 25 July 2023 11:35 (55 minutes)

Presenter: SIMON, Frank (Max-Planck-Institut fuer Physik)

Contribution ID: 67

Type: **not specified**

Electronics, DAQ and Triggers 1/3

Wednesday 26 July 2023 09:15 (55 minutes)

Presenter: COLOMBO, Tommaso (CERN)

Contribution ID: **68**

Type: **not specified**

Making Predictions at Hadron Colliders 2/2

Wednesday 26 July 2023 10:25 (55 minutes)

Presenter: HUSS, Alexander Yohei (CERN)

Contribution ID: **69**

Type: **not specified**

Physics Beyond the Standard Model 2/4

Wednesday 26 July 2023 11:35 (55 minutes)

Presenter: YOU, Tevong (King's College London)

Contribution ID: 70

Type: **not specified**

Physics Beyond the Standard Model 3/4

Thursday 27 July 2023 09:15 (55 minutes)

Presenter: YOU, Tevong (King's College London)

Contribution ID: 71

Type: **not specified**

What is String Theory?

Friday 28 July 2023 10:20 (55 minutes)

Presenter: WEIGAND, Timo Stephan (DESY)

Contribution ID: 72

Type: **not specified**

Electronics, DAQ and Triggers 2/3

Thursday 27 July 2023 11:35 (55 minutes)

Presenter: COLOMBO, Tommaso (CERN)

Contribution ID: 73

Type: **not specified**

Electronics, DAQ and Triggers 3/3

Friday 28 July 2023 09:15 (55 minutes)

Presenter: COLOMBO, Tommaso (CERN)

Contribution ID: 74

Type: **not specified**

Physics Beyond the Standard Model 4/4

Thursday 27 July 2023 10:25 (55 minutes)

Presenter: YOU, Tevong (King's College London)

Contribution ID: 75

Type: **not specified**

Closing

Friday 28 July 2023 11:35 (55 minutes)

Presenter: KRAMMER, Manfred (CERN)

Contribution ID: 76

Type: **not specified**

Promotion of the CERN Alumni Network

Friday 28 July 2023 11:20 (10 minutes)

Presenter: BRAY, Rachel (CERN)