

Summer Student Lecture Programme 2025

Report of Contributions

Contribution ID: 1

Type: **not specified**

Particle World

Wednesday 2 July 2025 09:15 (55 minutes)

Presenter: TONG, David

Contribution ID: 2

Type: **not specified**

Detectors

Wednesday 2 July 2025 10:25 (55 minutes)

Presenter: YOHAY, Rachel (Florida State University (US))

Contribution ID: 3

Type: **not specified**

From Raw Data to Physics Results

Wednesday 2 July 2025 11:35 (55 minutes)

Presenter: BENDAVID, Josh (CERN)

Contribution ID: 4

Type: **not specified**

Introduction to the CERN Summer Student Lecture Programme

Tuesday 1 July 2025 09:30 (15 minutes)

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

Contribution ID: 5

Type: **not specified**

Detectors

Tuesday 1 July 2025 11:35 (55 minutes)

Presenter: YOHAY, Rachel (Florida State University (US))

Contribution ID: 6

Type: **not specified**

Particle World

Tuesday 1 July 2025 10:25 (55 minutes)

Presenter: TONG, David

Contribution ID: 7

Type: **not specified**

From Raw Data to Physics Results

Thursday 3 July 2025 09:15 (55 minutes)

Presenter: BENDAVID, Josh (CERN)

Contribution ID: 8

Type: **not specified**

Particle World

Thursday 3 July 2025 10:25 (55 minutes)

Presenter: TONG, David

Contribution ID: 9

Type: **not specified**

Detectors

Thursday 3 July 2025 11:35 (55 minutes)

Presenter: YOHAY, Rachel (Florida State University (US))

Contribution ID: **10**

Type: **not specified**

Detectors

Friday 4 July 2025 09:15 (55 minutes)

Presenter: YOHAY, Rachel (Florida State University (US))

Contribution ID: **11**

Type: **not specified**

From Raw Data to Physics Results

Friday 4 July 2025 10:25 (55 minutes)

Presenter: BENDAVID, Josh (CERN)

Contribution ID: **12**

Type: **not specified**

Particle World - Q&A

Friday 4 July 2025 11:35 (55 minutes)

Presenter: TONG, David

Contribution ID: **13**

Type: **not specified**

Detectors

Monday 7 July 2025 09:15 (55 minutes)

Presenter: YOHAY, Rachel (Florida State University (US))

Contribution ID: 14

Type: **not specified**

Theoretical Concepts in Particle Physics

Monday 7 July 2025 10:25 (55 minutes)

Presenter: COHEN, Tim (CERN)

Contribution ID: 15

Type: **not specified**

Magnet Superconductivity

Monday 7 July 2025 11:35 (55 minutes)

Presenter: IZQUIERDO BERMUDEZ, Susana (CERN)

Contribution ID: **16**

Type: **not specified**

Theoretical Concepts in Particle Physics

Tuesday 8 July 2025 09:15 (55 minutes)

Presenter: COHEN, Tim (CERN)

Contribution ID: 17

Type: **not specified**

Magnet Superconductivity

Tuesday 8 July 2025 10:25 (55 minutes)

Presenter: IZQUIERDO BERMUDEZ, Susana (CERN)

Contribution ID: **18**

Type: **not specified**

Foundations of Statistics

Tuesday 8 July 2025 11:35 (55 minutes)

Presenter: COWAN, Glen (Royal Holloway)

Contribution ID: **19**

Type: **not specified**

Theoretical Concepts in Particle Physics

Wednesday 9 July 2025 09:15 (55 minutes)

Presenter: COHEN, Tim (CERN)

Contribution ID: 20

Type: **not specified**

Foundations of Statistics

Wednesday 9 July 2025 10:25 (55 minutes)

Presenter: COWAN, Glen (Royal Holloway)

Contribution ID: 21

Type: **not specified**

Theoretical Concepts in Particle Physics

Wednesday 9 July 2025 11:35 (55 minutes)

Presenter: COHEN, Tim (CERN)

Contribution ID: 22

Type: **not specified**

Theoretical Concepts in Particle Physics

Thursday 10 July 2025 09:15 (55 minutes)

Presenter: COHEN, Tim (CERN)

Contribution ID: 23

Type: **not specified**

Accelerator Operation & Diagnostics

Thursday 10 July 2025 10:25 (55 minutes)

Presenter: RONCAROLO, Federico (CERN)

Contribution ID: 24

Type: **not specified**

Foundations of Statistics

Thursday 10 July 2025 11:35 (55 minutes)

Presenter: COWAN, Glen (Royal Holloway)

Contribution ID: 25

Type: **not specified**

Accelerators and Beam Dynamics

Friday 11 July 2025 09:15 (55 minutes)

Presenter: ASVESTA, Foteini (CERN)

Contribution ID: 26

Type: **not specified**

Foundations of Statistics

Friday 11 July 2025 10:25 (55 minutes)

Presenter: COWAN, Glen (Royal Holloway)

Contribution ID: 27

Type: **not specified**

Accelerator Operation & Diagnostics

Friday 11 July 2025 11:35 (55 minutes)

Presenter: RONCAROLO, Federico (CERN)

Contribution ID: 28

Type: **not specified**

Accelerators and Beam Dynamics

Monday 14 July 2025 09:15 (55 minutes)

Presenter: ASVESTA, Foteini (CERN)

Contribution ID: 29

Type: **not specified**

The Standard Model

Monday 14 July 2025 10:25 (55 minutes)

Presenter: WEILER, Andreas (TU Munich)

Contribution ID: **30**

Type: **not specified**

Particle physics technologies for healthcare applications

Monday 14 July 2025 11:35 (55 minutes)

Presenter: CIRILLI, Manuela (CERN)

Contribution ID: **31**

Type: **not specified**

Accelerators and Beam Dynamics

Tuesday 15 July 2025 09:15 (55 minutes)

Presenter: ASVESTA, Foteini (CERN)

Contribution ID: 32

Type: **not specified**

Particle physics technologies for healthcare applications

Tuesday 15 July 2025 10:25 (55 minutes)

Presenter: CIRILLI, Manuela (CERN)

Contribution ID: 33

Type: **not specified**

The Standard Model

Tuesday 15 July 2025 11:35 (55 minutes)

Presenter: WEILER, Andreas (TU Munich)

Contribution ID: 34

Type: **not specified**

Future High Energy Collider Projects

Wednesday 16 July 2025 09:15 (55 minutes)

Presenter: Dr BRUCE, Roderik (CERN)

Contribution ID: 35

Type: **not specified**

The Standard Model

Wednesday 16 July 2025 10:25 (55 minutes)

Presenter: WEILER, Andreas (TU Munich)

Contribution ID: 36

Type: **not specified**

Astroparticle Physics

Wednesday 16 July 2025 11:35 (55 minutes)

Presenter: Dr KAVANAGH, Bradley

Contribution ID: 37

Type: **not specified**

Astroparticle Physics

Thursday 17 July 2025 09:15 (55 minutes)

Presenter: Dr KAVANAGH, Bradley

Contribution ID: **38**

Type: **not specified**

Cosmology

Thursday 17 July 2025 10:25 (55 minutes)

Presenter: ESCUDERO ABENZA, Miguel (CERN)

Contribution ID: 39

Type: **not specified**

The Standard Model

Thursday 17 July 2025 11:35 (55 minutes)

Presenter: WEILER, Andreas (TU Munich)

Contribution ID: 40

Type: **not specified**

Cosmology

Friday 18 July 2025 09:15 (55 minutes)

Presenter: ESCUDERO ABENZA, Miguel (CERN)

Contribution ID: 41

Type: **not specified**

Future High Energy Collider Projects

Friday 18 July 2025 10:25 (55 minutes)

Presenter: Dr BRUCE, Roderik (CERN)

Contribution ID: 42

Type: **not specified**

Cosmology

Friday 18 July 2025 11:35 (55 minutes)

Presenter: ESCUDERO ABENZA, Miguel (CERN)

Contribution ID: 43

Type: **not specified**

RF Superconductivity

Monday 21 July 2025 09:15 (55 minutes)

Presenter: MIYAZAKI, Akira (Université Paris-Saclay (FR))

Contribution ID: 44

Type: **not specified**

Making Predictions at Hadron Colliders

Monday 21 July 2025 10:25 (55 minutes)

Presenter: HUSS, Alexander Yohei (CERN)

Contribution ID: 45

Type: **not specified**

Nuclear Physics at CERN

Monday 21 July 2025 11:35 (55 minutes)

Presenter: KOWALSKA, Magdalena (CERN)

Contribution ID: 46

Type: **not specified**

Nuclear Physics at CERN

Tuesday 22 July 2025 09:15 (55 minutes)

Presenter: KOWALSKA, Magdalena (CERN)

Contribution ID: 47

Type: **not specified**

RF Superconductivity

Tuesday 22 July 2025 10:25 (55 minutes)

Presenter: MIYAZAKI, Akira (Université Paris-Saclay (FR))

Contribution ID: 48

Type: **not specified**

Making Predictions at Hadron Colliders

Tuesday 22 July 2025 11:35 (55 minutes)

Presenter: HUSS, Alexander Yohei (CERN)

Contribution ID: 49

Type: **not specified**

Experimental Physics at Hadron Colliders

Wednesday 23 July 2025 09:15 (55 minutes)

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

Contribution ID: 50

Type: **not specified**

Experimental Physics at Lepton Colliders

Wednesday 23 July 2025 10:25 (55 minutes)

Presenter: SIMON, Frank (KIT - Karlsruhe Institute of Technology (DE))

Contribution ID: 51

Type: **not specified**

Heavy Ions

Wednesday 23 July 2025 11:35 (55 minutes)

Presenter: KLEIN, Jochen (CERN)

Contribution ID: 52

Type: **not specified**

Experimental Physics at Lepton Colliders

Thursday 24 July 2025 09:15 (55 minutes)

Presenter: SIMON, Frank (KIT - Karlsruhe Institute of Technology (DE))

Contribution ID: 53

Type: **not specified**

Experimental Physics at Hadron Colliders

Thursday 24 July 2025 10:25 (55 minutes)

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

Contribution ID: 54

Type: **not specified**

Heavy Ions

Thursday 24 July 2025 11:35 (55 minutes)

Presenter: KLEIN, Jochen (CERN)

Contribution ID: 55

Type: **not specified**

Experimental Physics at Hadron Colliders

Friday 25 July 2025 09:15 (55 minutes)

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

Contribution ID: 56

Type: **not specified**

Experimental Physics at Hadron Colliders

Friday 25 July 2025 11:35 (55 minutes)

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

Contribution ID: 57

Type: **not specified**

Heavy Ions

Friday 25 July 2025 10:25 (55 minutes)

Presenter: KLEIN, Jochen (CERN)

Contribution ID: 58

Type: **not specified**

Neutrino Physics

Monday 28 July 2025 09:15 (55 minutes)

Presenter: KOPP, Joachim (CERN)

Contribution ID: 59

Type: **not specified**

Quantum Gravity

Monday 28 July 2025 10:25 (55 minutes)

Presenter: PAPADODIMAS, Kyriakos (CERN)

Contribution ID: **60**

Type: **not specified**

Electronics, DAQ and Triggers

Monday 28 July 2025 11:35 (55 minutes)

Presenter: COLOMBO, Tommaso (CERN)

Contribution ID: **61**

Type: **not specified**

Physics Beyond the Standard Model

Tuesday 29 July 2025 09:15 (55 minutes)

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

Contribution ID: **62**

Type: **not specified**

Electronics, DAQ and Triggers

Tuesday 29 July 2025 10:25 (55 minutes)

Presenter: COLOMBO, Tommaso (CERN)

Contribution ID: 63

Type: **not specified**

Physics Beyond the Standard Model

Tuesday 29 July 2025 11:35 (55 minutes)

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

Contribution ID: **64**

Type: **not specified**

Antimatter in the Lab

Wednesday 30 July 2025 09:15 (55 minutes)

Presenter: LATA CZ, Barbara Maria (CERN; RIKEN, Ulmer Fundamental Symmetries Laboratory, Japan)

Contribution ID: 65

Type: **not specified**

Flavour Physics

Wednesday 30 July 2025 10:25 (55 minutes)

Presenter: AMHIS, Yasmine Sara (IJCLab/CERN)

Contribution ID: **66**

Type: **not specified**

Electronics, DAQ and Triggers

Wednesday 30 July 2025 11:35 (55 minutes)

Presenter: COLOMBO, Tommaso (CERN)

Contribution ID: 67

Type: **not specified**

Physics Beyond the Standard Model

Thursday 31 July 2025 09:15 (55 minutes)

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

Contribution ID: **68**

Type: **not specified**

Antimatter in the Lab

Thursday 31 July 2025 10:25 (55 minutes)

Presenter: LATA CZ, Barbara Maria (CERN; RIKEN, Ulmer Fundamental Symmetries Laboratory, Japan)

Contribution ID: **69**

Type: **not specified**

Flavour Physics

Thursday 31 July 2025 11:35 (55 minutes)

Presenter: AMHIS, Yasmine Sara (IJCLab/CERN)

Contribution ID: 70

Type: **not specified**

Flavour Physics

Friday 1 August 2025 09:15 (55 minutes)

Presenter: AMHIS, Yasmine Sara (IJCLab/CERN)

Contribution ID: 71

Type: **not specified**

Physics Beyond the Standard Model

Friday 1 August 2025 10:25 (55 minutes)

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

Contribution ID: 72

Type: **not specified**

Alumni Network and Closing

Friday 1 August 2025 11:35 (55 minutes)

Contribution ID: 73

Type: **not specified**

Introduction to the CERN Openlab Lecture Programme

Tuesday 1 July 2025 10:00 (10 minutes)

Presenter: VERDER, Killian

Contribution ID: 74

Type: **not specified**

Welcome Address from the Director General

Tuesday 1 July 2025 09:15 (15 minutes)

Presenter: GIANOTTI, Fabiola (CERN)

Contribution ID: 75

Type: **not specified**

Introduction to the CERN Summer Student Workshops

Tuesday 1 July 2025 09:45 (15 minutes)

Presenter: NEUFELD, Niko (CERN)