

DESY Summer Student Lecture and Event Programme 2025

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome Session

Tuesday 22 July 2025 10:00 (1 hour)

Contribution ID: 2

Type: **not specified**

Safety Training

Tuesday 22 July 2025 15:00 (1 hour)

(not necessary for Photon Science students (A1-A6 project categories) as they will complete the safety trainings online)

Contribution ID: 3

Type: **not specified**

Welcome Coffee and Cake

Tuesday 22 July 2025 16:00 (1 hour)

Contribution ID: 4

Type: **not specified**

Introduction to High Energy Physics

Wednesday 23 July 2025 10:00 (45 minutes)

Presenter: GEISER, Achim (CMS (CMS Fachgruppe QCD))

Contribution ID: 5

Type: **not specified**

Group Photo

Wednesday 23 July 2025 11:00 (20 minutes)

Contribution ID: 6

Type: **not specified**

Introduction to High Energy Physics

Thursday 24 July 2025 09:30 (45 minutes)

Presenter: GEISER, Achim (CMS (CMS Fachgruppe QCD))

Contribution ID: 7

Type: **not specified**

Introduction to Photon Science 2

Friday 25 July 2025 10:00 (45 minutes)

Presenter: BARI, Sadia (FS-BIG (Biomolekuele in Gasphase))

Contribution ID: 8

Type: **not specified**

Introduction to Photon Science 3

Friday 25 July 2025 11:00 (45 minutes)

Presenter: BARI, Sadia (FS-BIG (Biomolekuele in Gasphase))

Contribution ID: 9

Type: **not specified**

Welcome Dinner

Friday 25 July 2025 18:00 (3 hours)

Contribution ID: **10**

Type: **not specified**

Introduction to Accelerators

Monday 28 July 2025 10:00 (45 minutes)

Presenter: Dr SCHAUMANN, Michaela (MPY (Beschleunigerphysik))

Contribution ID: **11**

Type: **not specified**

DESY Tour

Monday 28 July 2025 14:00 (2 hours)

Contribution ID: **12**

Type: **not specified**

Introduction to Accelerators

Tuesday 29 July 2025 10:00 (45 minutes)

Presenter: Dr SCHAUMANN, Michaela (MPY (Beschleunigerphysik))

Contribution ID: **13**

Type: **not specified**

DESY Tour

Tuesday 29 July 2025 14:00 (2 hours)

Contribution ID: 14

Type: **not specified**

Introduction to Machine Learning

Thursday 31 July 2025 10:00 (45 minutes)

Presenter: JIGGINS, Stephen (ATLAS (ATLAS-Experiment))

Contribution ID: 15

Type: **not specified**

Introduction to Machine Learning

Thursday 31 July 2025 11:00 (45 minutes)

Presenter: JIGGINS, Stephen (ATLAS (ATLAS-Experiment))

Contribution ID: **16**

Type: **not specified**

Dark Matter

Friday 1 August 2025 10:00 (45 minutes)

Presenters: LINDNER, Andreas (LMU Munich); LINDNER, Axel (ALPS (ALPS _ Any Light Particle Search))

Contribution ID: 17

Type: **not specified**

Dark Matter

Friday 1 August 2025 11:00 (45 minutes)

Contribution ID: **18**

Type: **not specified**

LHC Physics

Monday 4 August 2025 10:00 (45 minutes)

Presenter: BERESFORD, Lydia (ATLAS (ATLAS-Experiment))

Contribution ID: **19**

Type: **not specified**

LHC Physics

Tuesday 5 August 2025 10:00 (45 minutes)

Presenter: BERESFORD, Lydia (ATLAS (ATLAS-Experiment))

Contribution ID: **20**

Type: **not specified**

Detectors for HEP

Thursday 7 August 2025 09:30 (45 minutes)

Presenters: GREGOR, Ingrid-Maria (DESY/Uni Bonn); SPANNAGEL, Simon (DESY)

Contribution ID: **21**

Type: **not specified**

Detectors for HEP

Thursday 7 August 2025 10:30 (45 minutes)

Presenters: GREGOR, Ingrid-Maria (DESY/Uni Bonn); SPANNAGEL, Simon (DESY)

Contribution ID: 22

Type: **not specified**

Detectors for HEP

Thursday 7 August 2025 11:30 (45 minutes)

Presenters: GREGOR, Ingrid-Maria (DESY/Uni Bonn); SPANNAGEL, Simon (DESY)

Contribution ID: **23**

Type: **not specified**

Detectors for HEP

Friday 8 August 2025 09:25 (45 minutes)

Presenters: GREGOR, Ingrid-Maria (DESY/Uni Bonn); SPANNAGEL, Simon (DESY)

Contribution ID: **24**

Type: **not specified**

Detectors for HEP

Friday 8 August 2025 10:30 (45 minutes)

Presenters: GREGOR, Ingrid-Maria (DESY/Uni Bonn); SPANNAGEL, Simon (DESY)

Contribution ID: 25

Type: **not specified**

Detectors for HEP

Friday 8 August 2025 11:30 (45 minutes)

Presenters: GREGOR, Ingrid-Maria (DESY/Uni Bonn); SPANNAGEL, Simon (DESY)

Contribution ID: 26

Type: **not specified**

Flavour Physics

Wednesday 13 August 2025 10:00 (45 minutes)

Presenter: HUMAIR, Thibaud (BELLE (BELLE Gruppe))

Contribution ID: 27

Type: **not specified**

Flavour Physics

Wednesday 13 August 2025 11:00 (45 minutes)

Presenter: HUMAIR, Thibaud (BELLE (BELLE Gruppe))

Contribution ID: **28**

Type: **not specified**

Introduction to High Energy Physics

Wednesday 23 July 2025 11:30 (45 minutes)

Presenter: GEISER, Achim (CMS (CMS Fachgruppe QCD))

Contribution ID: 29

Type: **not specified**

Introduction to High Energy Physics

Thursday 24 July 2025 10:30 (45 minutes)

Presenter: GEISER, Achim (CMS (CMS Fachgruppe QCD))

Contribution ID: **30**

Type: **not specified**

Introduction to Accelerators

Monday 28 July 2025 11:00 (45 minutes)

Presenters: LOISCH, Gregor (MIN (Hochfrequenz)); Dr SCHAUMANN, Michaela (MPY (Beschleunigerphysik))

Contribution ID: **31**

Type: **not specified**

Introduction to Accelerators

Tuesday 29 July 2025 11:00 (45 minutes)

Presenter: Dr SCHAUMANN, Michaela (MPY (Beschleunigerphysik))

Contribution ID: **32**

Type: **not specified**

LHC Physics

Monday 4 August 2025 11:00 (45 minutes)

Presenter: BERESFORD, Lydia (ATLAS (ATLAS-Experiment))

Contribution ID: **33**

Type: **not specified**

LHC Physics

Tuesday 5 August 2025 10:55 (45 minutes)

Presenter: BERESFORD, Lydia (ATLAS (ATLAS-Experiment))

Contribution ID: **34**

Type: **not specified**

HEP Theory

Thursday 14 August 2025 10:00 (45 minutes)

Presenter: KIM, Hyungjin (T (Cosmology))

Contribution ID: 35

Type: **not specified**

HEP Theory

Thursday 14 August 2025 11:00 (45 minutes)

Presenter: KIM, Hyungjin (T (Cosmology))

Contribution ID: **36**

Type: **not specified**

HEP Theory

Friday 15 August 2025 10:00 (45 minutes)

Presenter: KIM, Hyungjin (T (Cosmology))

Contribution ID: 37

Type: **not specified**

HEP Theory

Friday 15 August 2025 11:00 (45 minutes)

Presenter: KIM, Hyungjin (T (Cosmology))

Contribution ID: **38**

Type: **not specified**

QCD

Monday 18 August 2025 10:00 (45 minutes)

Presenter: DIEHL, Markus (DESY)

Contribution ID: 39

Type: **not specified**

QCD

Monday 18 August 2025 11:00 (45 minutes)

Presenter: DIEHL, Markus (DESY)

Contribution ID: **40**

Type: **not specified**

QCD

Tuesday 19 August 2025 10:00 (45 minutes)

Presenter: DIEHL, Markus (DESY)

Contribution ID: **41**

Type: **not specified**

QCD

Tuesday 19 August 2025 11:00 (45 minutes)

Presenter: DIEHL, Markus (DESY)

Contribution ID: 42

Type: **not specified**

Future Colliders

Wednesday 27 August 2025 10:00 (45 minutes)

Presenter: Dr BUESSER, Karsten (DESY)

Contribution ID: 43

Type: **not specified**

Future Colliders

Wednesday 27 August 2025 11:00 (45 minutes)

Presenter: Dr BUESSER, Karsten (DESY)

Contribution ID: 44

Type: **not specified**

Festival of International Students

Thursday 28 August 2025 18:00 (4 hours)

Contribution ID: 45

Type: **not specified**

Astroparticle Physics

Friday 29 August 2025 10:00 (45 minutes)

Presenter: TAYLOR, Andrew (Z_THAT (Theoretische Astroteilchenphysik))

Contribution ID: 46

Type: **not specified**

Astroparticle Physics

Friday 29 August 2025 11:00 (45 minutes)

Presenter: TAYLOR, Andrew (Z_THAT (Theoretische Astroteilchenphysik))

Contribution ID: 47

Type: **not specified**

Cosmology

Friday 22 August 2025 10:00 (45 minutes)

Presenter: KONSTANDIN, Thomas (T (Cosmology))

Contribution ID: 48

Type: **not specified**

Introduction to Photon Science 1

Thursday 24 July 2025 11:30 (45 minutes)

Presenter: BARI, Sadia (FS-BIG (Biomolekuele in Gasphase))

Contribution ID: 49

Type: **not specified**

Reciprocal space and principles of diffraction

Wednesday 30 July 2025 10:00 (45 minutes)

Presenter: YEFANOV, Oleksandr (FS-CFEL-1 (Forschung mit Photonen Experimente 1))

Contribution ID: 50

Type: **not specified**

Modern crystallography: processing petabytes of data

Wednesday 30 July 2025 11:00 (45 minutes)

Presenter: YEFANOV, Oleksandr (FS-CFEL-1 (Forschung mit Photonen Experimente 1))

Contribution ID: 51

Type: **not specified**

Exploring Quantum Materials via X-ray Spectroscopy 1

Monday 4 August 2025 09:59 (1h 45m)

Presenter: SCHOLZ, Markus (FS-FLASH (FLASH))

Contribution ID: 52

Type: **not specified**

Exploring Quantum Materials via X-ray Spectroscopy 2

Tuesday 5 August 2025 09:59 (1h 45m)

Presenter: SCHOLZ, Markus (FS-FLASH (FLASH))

Contribution ID: 53

Type: **not specified**

Ultrafast Phenomena 1

Thursday 7 August 2025 10:29 (1h 45m)

Presenter: SANTRA, Robin (DESY & UHH)

Contribution ID: 54

Type: **not specified**

Ultrafast Phenomena 2

Friday 8 August 2025 10:29 (1h 45m)

Presenter: SANTRA, Robin (DESY & UHH)

Contribution ID: 55

Type: **not specified**

Fundamentals of X-ray interaction with matter

Friday 15 August 2025 09:59 (1h 45m)

Presenter: SON, Sang-Kil (CFEL-DESY)

Contribution ID: 56

Type: **not specified**

X-ray nano-analytics and microscopy 1

Monday 11 August 2025 10:00 (1h 45m)

Presenter: SCHROER, Christian (FS-PETRA (PETRA III))

Contribution ID: 57

Type: **not specified**

X-ray nano-analytics and microscopy 2

Tuesday 12 August 2025 10:00 (1h 45m)

Presenter: SCHROER, Christian (FS-PETRA (PETRA III))

Contribution ID: 58

Type: **not specified**

Plasma Wakefield Accelerators 1

Wednesday 20 August 2025 10:00 (45 minutes)

Presenter: MAIER, Andreas (MPL (Plasmabeschleuniger und Laser))

Contribution ID: 59

Type: **not specified**

Plasma Wakefiled Accelerators 2

Wednesday 20 August 2025 11:00 (45 minutes)

Presenter: MAIER, Andreas (MPL (Plasmabeschleuniger und Laser))

Contribution ID: **60**

Type: **not specified**

Introduction to Scientific Computing

Thursday 24 July 2025 14:00 (45 minutes)

Presenter: SCHWARZ, Kilian (GSI)

Contribution ID: **61**

Type: **not specified**

Sustainable Computing

Friday 25 July 2025 14:00 (45 minutes)

Presenter: SPITERI, Dwayne (IT (IT Scientific Computing))

Contribution ID: **62**

Type: **not specified**

Introduction to DASHH/PIER Graduate Schools

Tuesday 26 August 2025 14:00 (3 hours)

Contribution ID: **63**

Type: **not specified**

Career Orientation Workshop (1)

Thursday 21 August 2025 11:00 (2 hours)

Contribution ID: **64**

Type: **not specified**

Career Orientation Workshop (2)

Thursday 21 August 2025 14:00 (2 hours)

Contribution ID: 65

Type: **not specified**

Diagnostics of Light

Wednesday 6 August 2025 10:00 (1h 45m)

Presenter: FRUEHLING, Ulrike (FS-FLASH-O (FLASH Scientific User Operation))

Contribution ID: **66**

Type: **not specified**

Hamburg Harbour Roundtrip - Boat ride

Wednesday 30 July 2025 18:00 (2 hours)

This is a nice social event, cruising with a barge through Hamburg harbour.
More details will be announced in due time.