

Trans-European School of High Energy Physics 2025

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Saturday 12 July 2025 09:00 (1 hour)

Presenters: STOCCHI, Achille; Prof. STOCCHI, achille (IJCLab , UNiversite Paris-Saclay, CNRS)

Contribution ID: 2

Type: **not specified**

SM 1

Saturday 12 July 2025 10:00 (1 hour)

Presenter: SCHAEFER, Wolfgang

Session Classification: Lectures

Contribution ID: 3

Type: **not specified**

SM 2

Presenter: KORCHIN, Alexander

Session Classification: Lectures

Contribution ID: 4

Type: **not specified**

SM 2

Saturday 12 July 2025 11:30 (1 hour)

Presenter: SCHAEFER, Wolfgang

Session Classification: Lectures

Contribution ID: 5

Type: **not specified**

Introduction to hands-on

Saturday 12 July 2025 16:00 (1 hour)

Author: STASZEWSKI, Rafał (IFJ PAN Cracow (PL))

Presenter: STASZEWSKI, Rafał (IFJ PAN Cracow (PL))

Session Classification: Hands-on/Presentations

Contribution ID: 6

Type: **not specified**

Students work with profs Team 2

Wednesday 16 July 2025 20:30 (1 hour)

Session Classification: Hands-on/Presentations

Contribution ID: 7

Type: **not specified**

Hands-on Team 1 / Students work with profs Team 2

Saturday 12 July 2025 17:30 (2 hours)

Author: STASZEWSKI, Rafał (IFJ PAN Cracow (PL))

Presenters: BABAL, Dominik (Slovak Academy of Sciences (SK)); STASZEWSKI, Rafał (IFJ PAN Cracow (PL))

Session Classification: Hands-on/Presentations

Contribution ID: 8

Type: **not specified**

SM 3

Sunday 13 July 2025 09:00 (1 hour)

Presenter: SCHAEFER, Wolfgang

Session Classification: Lectures

Contribution ID: 9

Type: **not specified**

SM 4

Sunday 13 July 2025 10:00 (1 hour)

Presenter: SCHAEFER, Wolfgang

Session Classification: Lectures

Contribution ID: **10**

Type: **not specified**

Accelerators 2

Sunday 13 July 2025 11:30 (1 hour)

Presenter: HERMES, Pascal (CERN)

Session Classification: Lectures

Contribution ID: **11**

Type: **not specified**

Accelerators 3

Sunday 13 July 2025 12:30 (1 hour)

Presenter: HERMES, Pascal (CERN)

Session Classification: Lectures

Contribution ID: 12

Type: **not specified**

Students work with profs

Session Classification: Hands-on/Presentations

Contribution ID: 13

Type: **not specified**

Students work with profs

Session Classification: Hands-on/Presentations

Contribution ID: 14

Type: **not specified**

Students work with profs

Session Classification: Hands-on/Presentations

Contribution ID: 15

Type: **not specified**

Statistical games

Presenter: RADEMACKER, Jonas (University of Bristol (GB))

Contribution ID: 16

Type: **not specified**

SM tests 1

Monday 14 July 2025 11:30 (1 hour)

Presenter: MONTEIL, Stephane (Université Clermont Auvergne (FR))

Session Classification: Lectures

Contribution ID: 17

Type: **not specified**

Detectors 2

Monday 14 July 2025 10:00 (1 hour)

Presenters: CALDERINI, Giovanni (Centre National de la Recherche Scientifique (FR)); CALDERINI, Giovanni (LPNHE-Paris, Centre National de la Recherche Scientifique (FR))

Session Classification: Lectures

Contribution ID: **18**

Type: **not specified**

Detectors 3

Monday 14 July 2025 12:30 (1 hour)

Presenters: CALDERINI, Giovanni (Centre National de la Recherche Scientifique (FR)); CALDERINI, Giovanni (LPNHE-Paris, Centre National de la Recherche Scientifique (FR))

Session Classification: Lectures

Contribution ID: 19

Type: **not specified**

Statistical games

Presenter: RADEMACKER, Jonas (University of Bristol (GB))

Session Classification: Lectures

Contribution ID: 20

Type: **not specified**

Hand-on Team 2 / Students work with profs Team 1

Monday 14 July 2025 17:30 (2 hours)

Session Classification: Hands-on/Presentations

Contribution ID: 21

Type: **not specified**

Students work with profs

Session Classification: Hands-on/Presentations

Contribution ID: 22

Type: **not specified**

Football

Wednesday 16 July 2025 17:30 (2 hours)

Contribution ID: 23

Type: **not specified**

Topical Highlight 1: The revolution : tau and charm

Wednesday 16 July 2025 11:30 (2 hours)

Presenter: BARSUK, Sergey (Université Paris-Saclay (FR))

Session Classification: Topical Highlight

Contribution ID: 24

Type: **not specified**

Topical Highlight 3: QCD

Friday 18 July 2025 11:30 (1 hour)

Presenters: SPUTOWSKA, Iwona Anna (Polish Academy of Sciences (PL)); ZHOVKOVSKA, Valeriia (University of Warwick (GB))

Session Classification: Topical Highlight

Contribution ID: 25

Type: **not specified**

Topical Highlight 3: Cosmologie

Presenter: ASTIER, Pierre

Session Classification: Topical Highlight

Contribution ID: 26

Type: **not specified**

Accelerators 1

Presenter: HERMES, Pascal (CERN)

Session Classification: Lectures

Contribution ID: 27

Type: **not specified**

Statistics 1

Presenter: MONTEIL, Stephane (Université Clermont Auvergne (FR))

Session Classification: Lectures

Contribution ID: 28

Type: **not specified**

Conference by former students

Presenter: Dr MACIULA, Rafal

Session Classification: Conference by former students

Contribution ID: 29

Type: **not specified**

Conference by former students

Session Classification: Conference by former students

Contribution ID: **30**

Type: **not specified**

Intro to CERN

Contribution ID: 31

Type: **not specified**

Topical Highlight 4: emergence of Flavour

Presenter: Prof. STOCCHI, achille (IJCLab , UNiversite Paris-Saclay, CNRS)

Session Classification: Topical Highlight

Contribution ID: 32

Type: **not specified**

Topical Highlight 1: Charm 50 years

Presenter: PIETRZYK, Guillaume Max (IJCLab (Orsay, FR))

Session Classification: Topical Highlight

Contribution ID: 33

Type: **not specified**

Topical Highlight 2: QCD and Diffraction

Presenter: SCHAFER, Wolfgang

Session Classification: Topical Highlight

Contribution ID: 34

Type: **not specified**

Seminar 4

Presenter: KLUSEK-GAWENDA, Mariola (Institute of Nuclear Physics Polish Academy of Sciences)

Session Classification: Seminar

Contribution ID: 35

Type: **not specified**

Excursion

Tuesday 15 July 2025 15:00 (4h 30m)

Contribution ID: 36

Type: **not specified**

Topical Highlight 2: Flavour physics

Thursday 17 July 2025 09:00 (2 hours)

Presenters: STOCCHI, Achille; Prof. STOCCHI, achille (IJCLab , UNiversite Paris-Saclay, CNRS)

Session Classification: Topical Highlight

Contribution ID: 37

Type: **not specified**

Topical Highlight 4: emergence of Flavour

Presenter: Prof. STOCCHI, achille (IJCLab , UNiversite Paris-Saclay, CNRS)

Session Classification: Topical Highlight

Contribution ID: **38**

Type: **not specified**

Topical Highlight 2: Flavour physics

Thursday 17 July 2025 11:30 (1 hour)

Presenters: STOCCHI, Achille; Prof. STOCCHI, achille (IJCLab , UNiversite Paris-Saclay, CNRS)

Session Classification: Topical Highlight

Contribution ID: 39

Type: **not specified**

Seminar 2: AI

Monday 14 July 2025 16:00 (1 hour)

Presenters: DE OYANGUREN CAMPOS, Arantza (Univ. of Valencia and CSIC (ES)); OYANGUREN, Arantza (IFIC - Valencia)

Session Classification: Seminar

Contribution ID: 40

Type: **not specified**

Seminar3: P-ONE

Thursday 17 July 2025 16:00 (1 hour)

Presenter: MALECKI, Pawel (INP PAS Kraków, PL)

Session Classification: Seminar

Contribution ID: 41

Type: **not specified**

Feynman diagrams 1

Tuesday 15 July 2025 11:30 (1 hour)

Presenter: KLUSEK-GAWENDA, Mariola (IFJ PAS)

Session Classification: Lectures

Contribution ID: 42

Type: **not specified**

Feynman diagrams 2

Tuesday 15 July 2025 12:30 (1 hour)

Presenter: KLUSEK-GAWENDA, Mariola (IFJ PAS)

Session Classification: Lectures

Contribution ID: 43

Type: **not specified**

Topical Highlight 2: QCD and Diffraction

Presenter: SCHAFER, Wolfgang

Session Classification: Topical Highlight

Contribution ID: 44

Type: **not specified**

Topical Highlight 3: Cosmologie

Presenter: ASTIER, Pierre

Session Classification: Topical Highlight

Contribution ID: 45

Type: **not specified**

Topical Highlight 3: QCD

Friday 18 July 2025 09:00 (2 hours)

Presenters: SPUTOWSKA, Iwona Anna (Polish Academy of Sciences (PL)); ZHOVKOVSKA, Valeriia (University of Warwick (GB))

Session Classification: Topical Highlight

Contribution ID: 49

Type: **not specified**

Transfer to Kosice

Saturday 19 July 2025 10:00 (2 hours)

Contribution ID: 50

Type: **not specified**

Detectors 1

Monday 14 July 2025 09:00 (1 hour)

Presenters: TITOV, Maksym (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR)); Dr TITOV, Maksym (IRFU, CEA Saclay, Université Paris-Saclay (FR)); TITOV, Maxim (CEA Saclay)

Session Classification: Lectures

Contribution ID: 51

Type: **not specified**

Conference by former students

Presenter: ZHOVKOVSKA, Valeriia (University of Warwick (GB))

Session Classification: Conference by former students

Contribution ID: 52

Type: **not specified**

Conference by former students

Presenter: SPUTOWSKA, Iwona Anna (Polish Academy of Sciences (PL))

Session Classification: Conference by former students

Contribution ID: 53

Type: **not specified**

Conference by former students

Presenter: MAJ, Klaudia (AGH University of Krakow (PL))

Session Classification: Conference by former students

Contribution ID: 54

Type: **not specified**

Conference by former students

Presenter: KUKULAK, Szymon Piotr (Polish Academy of Sciences (PL))

Session Classification: Conference by former students

Contribution ID: 76

Type: **not specified**

Outreach event

Contribution ID: 77

Type: **not specified**

Transfer from Kosice to the school venue

Friday 11 July 2025 14:30 (4 hours)

Contribution ID: 78

Type: **not specified**

Seminar 1: Alice, H1

Wednesday 16 July 2025 15:00 (1 hour)

Presenter: TARASOVICOVA, Lucia Anna (Pavol Jozef Safarik University (SK))

Session Classification: Seminar

Contribution ID: 79

Type: **not specified**

Hot topic discussion

Presenter: Prof. STOCCHI, achille (IJCLab , UNiversite Paris-Saclay, CNRS)

Contribution ID: **80**

Type: **not specified**

Hands-on Team 1 / Students work with profs Team 2

Thursday 17 July 2025 18:30 (1 hour)

Session Classification: Hands-on/Presentations

Contribution ID: **81**

Type: **not specified**

Hand-on Team 2 / Students work with profs Team 1

Sunday 13 July 2025 16:00 (1 hour)

Session Classification: Hands-on/Presentations

Contribution ID: **82**

Type: **not specified**

Statistical games

Presenter: RADEMACKER, Jonas (University of Bristol (GB))

Contribution ID: **83**

Type: **not specified**

Hot topic discussion

Presenter: Prof. STOCCHI, achille (IJCLab , UNiversite Paris-Saclay, CNRS)

Contribution ID: **84**

Type: **not specified**

Intro to QCD 1

Presenter: Dr MACIULA, Rafal

Session Classification: Lectures

Contribution ID: 85

Type: **not specified**

Accelerators 2

Presenter: HERMES, Pascal (CERN)

Session Classification: Lectures

Contribution ID: **86**

Type: **not specified**

Intro to QCD 2

Presenter: Dr MACIULA, Rafal

Session Classification: Lectures

Contribution ID: 87

Type: **not specified**

Accelerators 3

Presenter: HERMES, Pascal (CERN)

Session Classification: Lectures

Contribution ID: **88**

Type: **not specified**

Detectors 5

Wednesday 16 July 2025 09:00 (1 hour)

Presenters: TITOV, Maksym (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR)); Dr TITOV, Maksym (IRFU, CEA Saclay, Université Paris-Saclay (FR)); TITOV, Maxim (CEA Saclay)

Session Classification: Lectures

Contribution ID: **89**

Type: **not specified**

BSM

Presenters: GLUZA, Janusz (University of Silesia (PL)); GLUZA, Janusz (U. Silesia)

Session Classification: Lectures

Contribution ID: **90**

Type: **not specified**

Topical highlight 3: Cosmic rays and CREDO

Presenter: KAMINSKI, Robert

Session Classification: Topical Highlight

Contribution ID: **91**

Type: **not specified**

Future physics challenges

Presenter: VAGNONI, Vincenzo (INFN Bologna (IT))

Session Classification: Future physics challenges

Contribution ID: 92

Type: **not specified**

Future physics challenges

Presenter: VAGNONI, Vincenzo (INFN Bologna (IT))

Session Classification: Future physics challenges

Contribution ID: **96**

Type: **not specified**

Accelerators 1

Saturday 12 July 2025 12:30 (1 hour)

Presenter: HERMES, Pascal (CERN)

Session Classification: Lectures

Contribution ID: 97

Type: **not specified**

Neutrino 1

Saturday 12 July 2025 15:00 (1 hour)

Presenter: GIL BOTELLA, Ines (Centro de Investigaciones Energéticas Medioambientales y Tecno)

Session Classification: Lectures

Contribution ID: **98**

Type: **not specified**

Neutrino 2

Sunday 13 July 2025 15:00 (1 hour)

Presenter: GIL BOTELLA, Ines (Centro de Investigaciones Energéticas Medioambientales y Tecno)

Session Classification: Lectures

Contribution ID: 99

Type: **not specified**

Hand-on Team 2 / Students work with profs Team 1

Sunday 13 July 2025 17:30 (2 hours)

Session Classification: Hands-on/Presentations

Contribution ID: **100**

Type: **not specified**

Neutrino 3

Monday 14 July 2025 15:00 (1 hour)

Presenter: GIL BOTELLA, Ines (Centro de Investigaciones Energéticas Medioambientales y Tecno)

Session Classification: Lectures

Contribution ID: **101**

Type: **not specified**

Detectors 4

Tuesday 15 July 2025 09:00 (1 hour)

Presenters: TITOV, Maksym (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR)); Dr TITOV, Maksym (IRFU, CEA Saclay, Université Paris-Saclay (FR)); TITOV, Maxim (CEA Saclay)

Session Classification: Lectures

Contribution ID: **102**

Type: **not specified**

SM tests 2

Tuesday 15 July 2025 10:00 (1 hour)

Presenter: MONTEIL, Stephane (Université Clermont Auvergne (FR))

Session Classification: Lectures

Contribution ID: **103**

Type: **not specified**

Topical Highlight 1: The revolution : tau and charm

Wednesday 16 July 2025 10:00 (1 hour)

Presenter: BARSUK, Sergey (Université Paris-Saclay (FR))

Session Classification: Topical Highlight

Contribution ID: **104**

Type: **not specified**

Hands-on Team 1 / Students work with profs Team 2

Wednesday 16 July 2025 16:00 (1 hour)

Session Classification: Hands-on/Presentations

Contribution ID: **105**

Type: **not specified**

Top physics

Thursday 17 July 2025 12:30 (1 hour)

Presenter: TOKAR, Stano (Comenius University (SK))

Session Classification: Lectures

Contribution ID: **106**

Type: **not specified**

BSM

Thursday 17 July 2025 15:00 (1 hour)

Presenter: CHOLAK, Serhii (Boston University (US))

Session Classification: Lectures

Contribution ID: **107**

Type: **not specified**

ERL and the PERLE project

Thursday 17 July 2025 17:30 (1 hour)

Presenters: FOMIN, Alex (IJCLab, IN2P3/CNRS); FOMIN, Alex (NSC Kharkiv Institute of Physics and Technology, Ukraine); Mr FOMIN, Alex

Session Classification: Seminar

Contribution ID: **108**

Type: **not specified**

Top physics

Friday 18 July 2025 12:30 (1 hour)

Presenter: TOKAR, Stano (Comenius University (SK))

Session Classification: Lectures