

**Numerical Methods for
Analysis, Design and
Modelling of Particle
Accelerators, Thessaloniki
(Greece)**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Arrival day and registration

Sunday 11 November 2018 17:00 (2 hours)

Presenters: Mrs RIVOIRON, Delphine (CERN); Mrs FILIPPOVA, Maria (Dubna University (RU))

Contribution ID: 2

Type: **not specified**

Opening, introduction tutorials

Monday 12 November 2018 08:30 (1 hour)

Presenter: SCHMICKLER, Hermann (CERN)

Contribution ID: 3

Type: **not specified**

Linear Algebra I

Monday 12 November 2018 09:30 (1 hour)

Presenter: ADELMANN, Andreas (PSI)

Contribution ID: 4

Type: **not specified**

Coffee Break

Monday 12 November 2018 10:30 (30 minutes)

Contribution ID: 5

Type: **not specified**

Numerical computing

Monday 12 November 2018 11:00 (1 hour)

Presenter: Dr HERR, Werner (CERN)

Contribution ID: 6

Type: **not specified**

Linear Optics calculations I

Monday 12 November 2018 12:00 (1 hour)

Presenter: Dr STERBINI, Guido (CERN)

Contribution ID: 7

Type: **not specified**

Lunch

Monday 12 November 2018 13:00 (1h 30m)

Contribution ID: 8

Type: **not specified**

Linear Algebra II

Monday 12 November 2018 14:30 (1 hour)

Presenter: ADELMANN, Andreas (PSI)

Contribution ID: 9

Type: **not specified**

Ordinary differential equations

Monday 12 November 2018 15:30 (1 hour)

Presenter: ADELMANN, Andreas (PSI)

Contribution ID: **10**

Type: **not specified**

Coffee Break

Monday 12 November 2018 16:30 (30 minutes)

Contribution ID: 11

Type: **not specified**

Linear Optics calculations II

Monday 12 November 2018 17:00 (1 hour)

Presenter: Dr STERBINI, Guido (CERN)

Contribution ID: 12

Type: **not specified**

OneS-OneM

Monday 12 November 2018 18:00 (1 hour)

Presenter: ALL, All

Contribution ID: 13

Type: **not specified**

Monte Carlo - Simulation Techniques

Tuesday 13 November 2018 08:30 (1 hour)

Presenter: Dr QIANG, Ji (LBL)

Contribution ID: 14

Type: **not specified**

Genetic Optimisation I

Tuesday 13 November 2018 09:30 (1 hour)

Presenter: ADELMANN, Andreas (PSI)

Contribution ID: 15

Type: **not specified**

Coffee Break

Tuesday 13 November 2018 10:30 (30 minutes)

Contribution ID: 16

Type: **not specified**

Nonlinear Beam Dynamics I

Tuesday 13 November 2018 12:00 (1 hour)

Presenter: Dr HERR, Werner (CERN)

Contribution ID: 17

Type: **not specified**

Genetic Optimisation II

Tuesday 13 November 2018 11:00 (1 hour)

Presenter: ADELMANN, Andreas (PSI)

Contribution ID: **18**

Type: **not specified**

Lunch

Tuesday 13 November 2018 13:00 (1h 30m)

Contribution ID: **19**

Type: **not specified**

Block A -1

Tuesday 13 November 2018 15:30 (1 hour)

Presenter: STERBINI, Guido (CERN)

Contribution ID: 20

Type: **not specified**

Block A- 2

Tuesday 13 November 2018 17:00 (1 hour)

Presenter: STERBINI, Guido (CERN)

Contribution ID: **21**

Type: **not specified**

Coffee Break

Tuesday 13 November 2018 16:30 (30 minutes)

Contribution ID: 22

Type: **not specified**

Block A -3

Tuesday 13 November 2018 18:00 (1 hour)

Presenter: STERBINI, Guido (CERN)

Contribution ID: 23

Type: **not specified**

Truncated Power Series Algebra I (TPSA)

Wednesday 14 November 2018 08:30 (1 hour)

Presenter: Prof. FOREST, Etienne (KEK)

Contribution ID: 24

Type: **not specified**

Imperfections and corrections I

Wednesday 14 November 2018 09:30 (1 hour)

Presenter: Dr ROGELIO, Tomas (CERN)

Contribution ID: 25

Type: **not specified**

Coffee Break

Wednesday 14 November 2018 10:30 (30 minutes)

Contribution ID: 26

Type: **not specified**

Truncated Power Series Algebra II (TPSA)

Wednesday 14 November 2018 11:00 (1 hour)

Presenter: Prof. FOREST, Etienne (KEK)

Contribution ID: 27

Type: **not specified**

Hamiltonian Dymanics

Wednesday 14 November 2018 12:00 (1 hour)

Presenter: Dr HERR, Werner (CERN)

Contribution ID: **28**

Type: **not specified**

Lunch

Wednesday 14 November 2018 13:00 (1h 30m)

Contribution ID: 29

Type: **not specified**

Block A- 4

Wednesday 14 November 2018 14:30 (1 hour)

Presenter: Prof. FOREST, Etienne (KEK)

Contribution ID: **30**

Type: **not specified**

Block A -5

Wednesday 14 November 2018 15:30 (1 hour)

Presenter: Prof. FOREST, Etienne (KEK)

Contribution ID: **31**

Type: **not specified**

Coffee Break

Wednesday 14 November 2018 16:30 (30 minutes)

Contribution ID: **32**

Type: **not specified**

Block A- 6

Wednesday 14 November 2018 17:00 (1 hour)

Presenter: Prof. FOREST, Etienne (KEK)

Contribution ID: 33

Type: **not specified**

Seminar I: Gravitational Waves: The Sound of Silence

Wednesday 14 November 2018 18:00 (1 hour)

Presenter: Prof. KOKKOTAS, Kostas (AUTH)

Contribution ID: 34

Type: **not specified**

Dynamical Systems, Representation of Particle Beams

Thursday 15 November 2018 08:30 (1 hour)

Presenter: Prof. CHAO, Alex (SLAC)

Contribution ID: 35

Type: **not specified**

Partial differential equation

Thursday 15 November 2018 09:30 (1 hour)

Presenter: Dr RUSSENSCHUCK, Stephan (CERN)

Contribution ID: **36**

Type: **not specified**

Coffee Break

Thursday 15 November 2018 10:30 (30 minutes)

Contribution ID: 37

Type: **not specified**

Imperfections and corrections II

Thursday 15 November 2018 11:00 (1 hour)

Presenter: Dr TOMAS, Rogelio (CERN)

Contribution ID: **38**

Type: **not specified**

Multi Particle Simulation Techniques I

Thursday 15 November 2018 12:00 (1 hour)

Presenter: Dr QIANG, Ji (LBL)

Contribution ID: **39**

Type: **not specified**

Lunch

Thursday 15 November 2018 13:00 (1h 30m)

Contribution ID: 40

Type: **not specified**

Free afternoon

Thursday 15 November 2018 14:30 (4 hours)

Contribution ID: 41

Type: **not specified**

Machine Learning I

Friday 16 November 2018 08:30 (1 hour)

Presenter: RATNER, Daniel (SLAC)

Contribution ID: 42

Type: **not specified**

Multi Particle Simulation Techniques II

Friday 16 November 2018 09:30 (1 hour)

Presenter: Dr QIANG, Ji (LBL)

Contribution ID: 43

Type: **not specified**

Coffee Break

Friday 16 November 2018 10:30 (30 minutes)

Contribution ID: 44

Type: **not specified**

Analysis Techniques I

Friday 16 November 2018 11:00 (1 hour)

Presenter: Dr PAPAPHILIPPOU, Yannis (CERN)

Contribution ID: 45

Type: **not specified**

TPSA III

Friday 16 November 2018 12:00 (1 hour)

Presenter: Prof. FOREST, Etienne (KEK)

Contribution ID: 46

Type: **not specified**

Lunch

Friday 16 November 2018 13:00 (1h 30m)

Contribution ID: 47

Type: **not specified**

Block B -1

Friday 16 November 2018 14:30 (1 hour)

Presenters: Dr QIANG, Ji (LBL); Dr HERR, Werner (CERN)

Contribution ID: 48

Type: **not specified**

Block B- 2

Friday 16 November 2018 15:30 (1 hour)

Presenter: Dr QIANG, Ji

Contribution ID: 49

Type: **not specified**

Coffee Break

Friday 16 November 2018 16:30 (30 minutes)

Contribution ID: 50

Type: **not specified**

Block B -3

Friday 16 November 2018 17:00 (1 hour)

Presenter: Dr QIANG, Ji

Contribution ID: 51

Type: **not specified**

Poster session

Contribution ID: 52

Type: **not specified**

Partial differential equation

Saturday 17 November 2018 08:30 (1 hour)

Presenter: RUSSENSCHUCK, Stephan (CERN)

Contribution ID: 53

Type: **not specified**

Machine Learning II

Saturday 17 November 2018 09:30 (1 hour)

Presenter: RATNER, Daniel (SLAC)

Contribution ID: 54

Type: **not specified**

Coffee Break

Saturday 17 November 2018 10:30 (30 minutes)

Contribution ID: 55

Type: **not specified**

Study time and discussion

Saturday 17 November 2018 11:00 (2 hours)

Presenter: SCHMICKLER, Hermann (CERN)

Contribution ID: 57

Type: **not specified**

Lunch

Saturday 17 November 2018 13:00 (1h 30m)

Contribution ID: 58

Type: **not specified**

Block B- 4

Saturday 17 November 2018 14:30 (1 hour)

Presenters: QIANG, Ji; Dr QIANG, Ji (LBL)

Contribution ID: 59

Type: **not specified**

Block B -5

Saturday 17 November 2018 15:30 (1 hour)

Presenter: Dr QIANG, Ji

Contribution ID: **60**

Type: **not specified**

Coffee Break

Saturday 17 November 2018 16:30 (30 minutes)

Contribution ID: **61**

Type: **not specified**

Block B- 6

Saturday 17 November 2018 17:00 (1 hour)

Presenter: Dr QIANG, Ji

Contribution ID: **62**

Type: **not specified**

Excursion

Sunday 18 November 2018 09:30 (10 hours)

Contribution ID: **63**

Type: **not specified**

Reserve/Poster Session

Presenter: SCHMICKLER, Hermann (CERN)

Contribution ID: **64**

Type: **not specified**

Reserve/Poster Session

Monday 19 November 2018 09:30 (1 hour)

Presenter: SCHMICKLER, Hermann (CERN)

Contribution ID: 65

Type: **not specified**

Coffee Break

Monday 19 November 2018 10:30 (30 minutes)

Contribution ID: **66**

Type: **not specified**

Field Solvers I

Tuesday 20 November 2018 08:30 (1 hour)

Presenter: Prof. DE GERSEM, Herbert (TU Darmstadt)

Contribution ID: 67

Type: **not specified**

Field Solvers II

Tuesday 20 November 2018 09:30 (1 hour)

Presenter: Prof. DE GERSEM, Herbert (TU Darmstadt)

Contribution ID: **68**

Type: **not specified**

Lunch

Monday 19 November 2018 13:00 (1h 30m)

Contribution ID: **69**

Type: **not specified**

Block C -1

Tuesday 20 November 2018 14:30 (1 hour)

Presenter: Prof. DE GERSEM, Herbert (TU Darmstadt)

Contribution ID: 70

Type: **not specified**

Block C- 2

Tuesday 20 November 2018 15:30 (1 hour)

Presenter: Prof. DE GERSEM, Herbert (TU Darmstadt)

Contribution ID: 71

Type: **not specified**

Coffee Break

Tuesday 20 November 2018 16:30 (30 minutes)

Contribution ID: 72

Type: **not specified**

Block C -3

Tuesday 20 November 2018 17:00 (1 hour)

Presenter: Prof. DE GERSEM, Herbert (TU Darmstadt)

Contribution ID: 73

Type: **not specified**

Computing Techniques I

Monday 19 November 2018 11:00 (1 hour)

Presenter: Dr BUFFAT, Xavier (CERN)

Contribution ID: 74

Type: **not specified**

Simulation of Interaction with material I

Tuesday 20 November 2018 11:00 (1 hour)

Presenter: Dr MOKHOV, Nikolai (Fermilab)

Contribution ID: 75

Type: **not specified**

Coffee Break

Tuesday 20 November 2018 10:30 (30 minutes)

Contribution ID: 76

Type: **not specified**

Computing Techniques II

Monday 19 November 2018 12:00 (1 hour)

Presenter: Dr BUFFAT, Xavier (CERN)

Contribution ID: 77

Type: **not specified**

Simulation of Interaction with Material II

Tuesday 20 November 2018 12:00 (1 hour)

Presenter: Dr MOKHOV, Nikolai (FNAL)

Contribution ID: 78

Type: **not specified**

Lunch

Tuesday 20 November 2018 13:00 (1h 30m)

Contribution ID: 79

Type: **not specified**

Free afternoon

Contribution ID: **80**

Type: **not specified**

Field Solvers III

Wednesday 21 November 2018 08:30 (1 hour)

Presenter: Prof. DE GERSEM, Herbert (TU Darmstadt)

Contribution ID: **81**

Type: **not specified**

Direct Vlasov Solvers I

Wednesday 21 November 2018 14:30 (1 hour)

Presenter: MOUNET, Nicolas (CERN)

Contribution ID: **82**

Type: **not specified**

Coffee Break

Wednesday 21 November 2018 10:30 (30 minutes)

Contribution ID: **83**

Type: **not specified**

Field Solvers IV

Wednesday 21 November 2018 09:30 (1 hour)

Presenter: Prof. DE GERSEM, Herbert (TU Darmstadt)

Contribution ID: **84**

Type: **not specified**

Discussion Session

Wednesday 21 November 2018 15:30 (1 hour)

Contribution ID: **85**

Type: **not specified**

Lunch

Wednesday 21 November 2018 13:00 (1h 30m)

Contribution ID: **86**

Type: **not specified**

Block C-4

Wednesday 21 November 2018 11:00 (1 hour)

Presenter: Dr RUSSENSCHUCK, Stephan (CERN)

Contribution ID: **87**

Type: **not specified**

Block C-5

Wednesday 21 November 2018 12:00 (1 hour)

Presenter: Dr RUSSENSCHUCK, Stephan (CERN)

Contribution ID: **88**

Type: **not specified**

Coffee Break

Wednesday 21 November 2018 16:30 (30 minutes)

Contribution ID: **89**

Type: **not specified**

Block C-6

Presenter: Dr RUSSENSCHUCK, Stephan (CERN)

Contribution ID: **90**

Type: **not specified**

Seminar II: From Newtonian Cosmology to Strings

Wednesday 21 November 2018 17:00 (1 hour)

Presenter: Prof. LAZARIDIS, George (AUTH)

Contribution ID: **91**

Type: **not specified**

Analysis Techniques II

Thursday 22 November 2018 08:30 (1 hour)

Presenter: Dr PAPAPHILIPPOU, Yannis (CERN)

Contribution ID: 92

Type: **not specified**

Direct Vlasov Solvers II

Thursday 22 November 2018 09:30 (1 hour)

Presenter: MOUNET, Nicolas (CERN)

Contribution ID: 93

Type: **not specified**

Coffee Break

Thursday 22 November 2018 10:30 (30 minutes)

Contribution ID: **94**

Type: **not specified**

Reserve

Contribution ID: 95

Type: **not specified**

Comparison of various codes for interaction with material

Thursday 22 November 2018 11:00 (1 hour)

Presenter: Dr MOKHOV, Nikolai (FNAL)

Contribution ID: **96**

Type: **not specified**

Lunch

Thursday 22 November 2018 13:00 (1h 30m)

Contribution ID: 97

Type: **not specified**

Discussion and closing

Thursday 22 November 2018 12:00 (1 hour)

Presenter: SCHMICKLER, Hermann (CERN)

Contribution ID: **98**

Type: **not specified**

Departure Day

Friday 23 November 2018 08:30 (30 minutes)

Contribution ID: 99

Type: **not specified**

Computer setup

Tuesday 13 November 2018 14:30 (1 hour)

Presenter: Dr HERR, Werner (CERN)

Contribution ID: **100**

Type: **not specified**

Free

Monday 19 November 2018 15:30 (4 hours)

Contribution ID: **101**

Type: **not specified**

Partial differential equation III

Monday 19 November 2018 14:30 (1 hour)

Presenter: RUSSENSCHUCK, Stephan (CERN)

Contribution ID: **102**

Type: **not specified**

Free

Thursday 22 November 2018 14:30 (5 hours)

Contribution ID: **103**

Type: **not specified**

Gala Dinner

Thursday 22 November 2018 19:30 (4 hours)