From Quarks and Gluons to Nuclear Forces and Structure

Report of Contributions

https://indico.ectstar.eu/e/38

Contribution ID: **1** Type: **not specified**

Registration

Monday 15 July 2019 08:15 (1h 15m)

Contribution ID: **2** Type: **not specified**

Introduction and Welcome

Tuesday 16 July 2019 08:45 (15 minutes)

Presenter: SHINDLER, Andrea

Contribution ID: **3** Type: **not specified**

Introduction to the Path Integral

Monday 15 July 2019 09:30 (1h 30m)

Presenter: LUU, Thomas

Contribution ID: **4** Type: **not specified**

QFT in a finite volume I

Monday 15 July 2019 11:30 (1h 30m)

Presenter: DAVOUDI, Zohreh

Contribution ID: **5** Type: **not specified**

Exercises

Monday 15 July 2019 14:30 (3h 30m)

Contribution ID: **6** Type: **not specified**

Lattice Gauge Theory I

Tuesday 16 July 2019 11:00 (1h 30m)

Presenter: LUU, Thomas

Contribution ID: **7** Type: **not specified**

Introduction to Lattice QCD

Tuesday 16 July 2019 09:00 (1h 30m)

Presenter: SHINDLER, Andrea

Contribution ID: **8** Type: **not specified**

Exercises

Tuesday 16 July 2019 14:30 (3h 30m)

Contribution ID: **9** Type: **not specified**

Lattice Gauge Theory II

Wednesday 17 July 2019 09:15 (1h 30m)

Presenter: SHINDLER, Andrea

Contribution ID: **10** Type: **not specified**

QFT in a finite volume II

Wednesday 17 July 2019 11:15 (1h 30m)

Presenter: DAVOUDI, Zohreh

Contribution ID: **11** Type: **not specified**

Exercises

Wednesday 17 July 2019 14:30 (3h 30m)

Contribution ID: **12** Type: **not specified**

Data Analysis

Thursday 18 July 2019 09:15 (1h 30m)

Presenter: LUU, Thomas

Contribution ID: **13** Type: **not specified**

QFT in a Finite Volume III

Thursday 18 July 2019 11:15 (1h 30m)

Presenter: DAVOUDI, Zohreh

Contribution ID: **14** Type: **not specified**

Exercises

Thursday 18 July 2019 14:30 (3h 30m)

Contribution ID: **15** Type: **not specified**

Fermions on the Lattice I

Friday 19 July 2019 09:15 (1h 30m)

Presenter: SHINDLER, Andrea

Contribution ID: **16** Type: **not specified**

Fermions on the Lattice II

Friday 19 July 2019 11:15 (1h 30m)

Presenter: LUU, Thomas

Contribution ID: **17** Type: **not specified**

Exercises

Friday 19 July 2019 14:30 (3h 30m)

Contribution ID: **18** Type: **not specified**

Hadron Spectroscopy

Monday 22 July 2019 09:15 (1h 30m)

Presenter: SHINDLER, Andrea

Contribution ID: **19** Type: **not specified**

Hybrid Monte Carlo I

Monday 22 July 2019 11:15 (1h 30m)

Presenter: LUU, Thomas

Contribution ID: **20** Type: **not specified**

Exercises

Monday 22 July 2019 14:30 (3h 30m)

Contribution ID: **21** Type: **not specified**

Chiral symmetry and Ward Identities

Tuesday 23 July 2019 09:15 (1h 30m)

Presenter: SHINDLER, Andrea

Contribution ID: **22** Type: **not specified**

Hybrid Monte Carlo II

Tuesday 23 July 2019 11:15 (1h 30m)

Presenter: LUU, Thomas

Contribution ID: **23** Type: **not specified**

Exercises

Tuesday 23 July 2019 14:30 (3h 30m)

Contribution ID: **24** Type: **not specified**

Advanced Lattice QCD

Wednesday 24 July 2019 09:15 (1h 30m)

Presenter: SHINDLER, Andrea

Contribution ID: **25** Type: **not specified**

Chiral Perturbation Theory in a Nutshell

Wednesday 24 July 2019 11:15 (1h 30m)

Presenter: EPELBAUM, Evgeny

Contribution ID: **26** Type: **not specified**

Exercises

Wednesday 24 July 2019 14:30 (3h 30m)

Contribution ID: **27** Type: **not specified**

Non-Relativistic Fermions

Thursday 25 July 2019 09:15 (1h 30m)

Presenter: LEE, Dean

Contribution ID: **28** Type: **not specified**

Two-Nucleon Scattering: Pionless EFT

Thursday 25 July 2019 11:15 (1h 30m)

Presenter: EPELBAUM, Evgeny

Contribution ID: **29** Type: **not specified**

Exercises

Thursday 25 July 2019 14:30 (3h 30m)

Contribution ID: **30** Type: **not specified**

Auxiliary Fields

Friday 26 July 2019 09:15 (1h 30m)

Presenter: LEE, Dean

Contribution ID: **31** Type: **not specified**

Two-Nucleon Scattering: Inclusion of Pions

Friday 26 July 2019 11:15 (1h 30m)

Presenter: EPELBAUM , Evgeny

Contribution ID: **32** Type: **not specified**

Exercises

Friday 26 July 2019 14:30 (3h 30m)

Contribution ID: **33** Type: **not specified**

Spherical Wall Method

Monday 29 July 2019 09:15 (1h 30m)

Presenter: LEE, Dean

Contribution ID: **34** Type: **not specified**

Lattice QCD and multi- nucleon physics I

Monday 29 July 2019 11:15 (1h 30m)

Presenter: DAVOUDI, Zohreh

Contribution ID: **35** Type: **not specified**

Exercises

Monday 29 July 2019 14:30 (3h 30m)

Contribution ID: **36** Type: **not specified**

Lattice Simulations of Ultracold Atoms

Tuesday 30 July 2019 09:15 (1h 30m)

Presenter: LEE, Dean

Contribution ID: **37** Type: **not specified**

Nuclear Forces/Currents in Chiral EFT

Tuesday 30 July 2019 11:15 (1h 30m)

Presenter: EPELBAUM, Evgeny

Contribution ID: **38** Type: **not specified**

Exercises

Tuesday 30 July 2019 14:30 (3h 30m)

Contribution ID: **39** Type: **not specified**

Chiral EFT on the Lattice

Wednesday 31 July 2019 09:15 (1h 30m)

Presenter: LEE, Dean

Contribution ID: **40** Type: **not specified**

Lattice QCD and multi- nucleon physics II

Wednesday 31 July 2019 11:15 (1h 30m)

Presenter: DAVOUDI, Zohreh

Contribution ID: **41** Type: **not specified**

Exercises

Wednesday 31 July 2019 14:30 (3h 30m)

Contribution ID: **42** Type: **not specified**

Adiabatic Projection Method and Pinhole Algorithm

Thursday 1 August 2019 09:15 (1h 30m)

Presenter: LEE, Dean

Contribution ID: **43** Type: **not specified**

Lattice QCD and multi- nucleon physics III

Thursday 1 August 2019 11:15 (1h 30m)

Presenter: DAVOUDI , Zohreh

Contribution ID: **44** Type: **not specified**

Exercises

Thursday 1 August 2019 14:30 (3h 30m)

Contribution ID: **45** Type: **not specified**

Eigenvector Continuation, Unitary Limit, and Superfluidity

Friday 2 August 2019 09:15 (1h 30m)

Presenter: LEE, Dean

Contribution ID: **46** Type: **not specified**

Special Lecture: ”The World of Lattice Nuclei: a Bridge Between LQCD and Non- Relativistic Nuclear Physics”

Friday 2 August 2019 11:15 (1h 30m)

Presenter: PEDERIVA, Francesco

Contribution ID: **47** Type: **not specified**

Exercises and Closing Remarks

Friday 2 August 2019 14:30 (3h 30m)