

FIRST WEEK

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**Mon Sep. 20th**

9:00 Greetings and presentation of ECT\* (prof. Achim Richter, Director ECT\*)

9:25 Communications

9:30-11:00 Andrea Pelissetto

Monte Carlo Methods for Statistical Physics and Critical Phenomena

*Coffee Break*

11:30-13:00 Nir Barnea

Few-body methods in Nuclear Physics

*Lunch break*

14:30-16:30 Fabio Schifano

Aurora Architecture

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**Tue Sep. 21st to Thu Sep. 23rd**

9:30-11:00 Andrea Pelissetto

Monte Carlo Methods for Statistical Physics and Critical Phenomena

*Coffee Break*

11:30-13:00 Nir Barnea

Few-body methods in Nuclear Physics

*Lunch break*

14:30-16:30 Fabio Schifano

Aurora Architecture

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**Fri Sep. 24th**

9:30-11:00 Andrea Pelissetto

Monte Carlo Methods for Statistical Physics and Critical Phenomena

*Coffee Break*

11:30-13:00 Nir Barnea

Few-body methods in Nuclear Physics

*Lunch break*

14:30-16:00

Talk by a representative of Edmund Mach Foundation

(Genomics on Aurora)

SECOND WEEK

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**Mon Sep. 27th to Thu Sep. 30th**

9:30-11:00 Constantia Alexandrou

Introduction to Lattice QCD

*Coffee Break*

11:30-13:00 Kevin E. Schmidt

Quantum Monte Carlo Methods for Nuclear Therapy

*Lunch break*

14:30-16:30 Fabio Schifano

Aurora Software and Applications

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**Fri. Oct. 1st**

9:30-11:00 Constantia Alexandrou

Introduction to Lattice QCD

*Coffee Break*

11:30-13:00 Kevin E. Schmidt

Quantum Monte Carlo Methods for Nuclear Therapy

*Lunch break*

14:30-16:00

Talk by a representative of ATreP

(Trentino Agency for Protontherapy)