

Universality in strongly-interacting systems: from QCD to atoms

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome and opening remarks (ECT* director)

Monday 9 June 2025 08:30 (30 minutes)

Contribution ID: 2

Type: **not specified**

Scientific overview (organizers)

Monday 9 June 2025 09:00 (30 minutes)

Contribution ID: 3

Type: **not specified**

On the natural occurrence of limit cycles in the course of renormalization of quantum Hamiltonians

Monday 9 June 2025 09:30 (1 hour)

Presenter: GLAZEK, Stanislaw

Contribution ID: 4

Type: **not specified**

Effective Field Theory

Monday 9 June 2025 10:45 (1 hour)

Presenter: VAN KOLCK, Ubirajara

Contribution ID: 5

Type: **not specified**

Hydrodynamic attractors-fluid dynamics far from equilibrium

Monday 9 June 2025 11:45 (1 hour)

Presenter: MITRA, Toshali

Contribution ID: 6

Type: **not specified**

Modeling the laser-pulse-induced helium dimer and trimer dynamics

Monday 9 June 2025 15:00 (1 hour)

Presenter: GUAN, Qingze

Contribution ID: 7

Type: **not specified**

Exotic atoms at extremely high magnetic fields: the case of neutron star atmosphere

Presenter: PEDERIVA, Francesco

Contribution ID: 8

Type: **not specified**

Stabilization of three-body resonances to bound states in a continuum

Tuesday 10 June 2025 09:30 (1 hour)

Presenter: NAIDON, Pascal

Contribution ID: 9

Type: **not specified**

Analyticity of three-body amplitudes and Efimov states

Tuesday 10 June 2025 10:45 (1 hour)

Presenter: DAWID, Sebastian

Contribution ID: **10**

Type: **not specified**

Scattering and reactions in few-body systems

Tuesday 10 June 2025 11:45 (1 hour)

Presenter: DELTUVA, Arnoldas

Contribution ID: 11

Type: **not specified**

Universal noise and Efimov physics or The Stochastic Feynman-Hellmann Method (and its relevance for perturbative -higher-order EFT calculations)

Tuesday 10 June 2025 15:00 (1 hour)

Presenter: NICHOLSON, Amy

Contribution ID: 12

Type: **not specified**

The three-nucleon parameter

Tuesday 10 June 2025 16:15 (1 hour)

Presenter: KIEVSKY, Alejandro

Contribution ID: 13

Type: **not specified**

Hypernuclear systems with Neural Network Quantum States

Wednesday 11 June 2025 09:30 (1 hour)

Presenter: PEDERIVA, Francesco

Contribution ID: 14

Type: **not specified**

Effective field theory for atomic 4He clusters

Wednesday 11 June 2025 10:45 (1 hour)

Presenter: MADEIRA, Lucas

Contribution ID: 15

Type: **not specified**

Cluster EFT calculation of electromagnetic breakup reactions with the LIT method

Wednesday 11 June 2025 11:45 (1 hour)

Presenter: CAPITANI, Ylenia

Contribution ID: **16**

Type: **not specified**

Bosonic few-body systems expanded around the unitarity limit

Wednesday 11 June 2025 15:00 (1 hour)

Presenter: WU, Feng

Contribution ID: 17

Type: **not specified**

^4He bosonic system and universality

Wednesday 11 June 2025 16:15 (1 hour)

Presenter: HIYAMA, Emiko

Contribution ID: **18**

Type: **not specified**

Universal thermalization dynamics in and/or quantum thermodynamics for gauge theories

Thursday 12 June 2025 09:30 (1 hour)

Presenter: DAVOUDI, Zohreh

Contribution ID: **19**

Type: **not specified**

Towards the Unitarity Limit in EFTs with Pions

Thursday 12 June 2025 10:45 (1 hour)

Presenter: GRIESSHAMMER, Harald

Contribution ID: 20

Type: **not specified**

UU - Universal implications of S-matrix Unitarity

Thursday 12 June 2025 11:45 (1 hour)

Presenter: MAI, Maxim

Contribution ID: 21

Type: **not specified**

Three-Body Dynamics in QCD

Thursday 12 June 2025 15:00 (1 hour)

Presenter: JACKURA, Andrew

Contribution ID: 22

Type: **not specified**

The large- N_c and unitary limits in nucleon-nucleon scattering

Thursday 12 June 2025 16:15 (1 hour)

Presenter: SCHINDLER, Matthias

Contribution ID: 23

Type: **not specified**

(Harmonic) traps, OPE, and what they teach us for non-atomic systems

Friday 13 June 2025 09:30 (1 hour)

Presenter: SAENZ, Alejandro

Contribution ID: 24

Type: **not specified**

Our universal list of the hardest, the most intriguing, and the funniest problems for all students of science

Friday 13 June 2025 10:45 (1h 45m)

Presenter: ORGANIZERS, The

Contribution ID: 25

Type: **not specified**

Wake-up semi-hour