

Critical stability of few-body quantum systems

Report of Contributions

Contribution ID: 1

Type: **not specified**

welcome

Monday, 23 October 2023 08:45 (15 minutes)

Session Classification: Monday morning

Contribution ID: 2

Type: **not specified**

Critical stability problems

Monday, 23 October 2023 09:00 (45 minutes)

Presenter: JENSEN, Aksel

Session Classification: Monday morning

Contribution ID: 3

Type: **not specified**

Dynamics of weakly-bound molecules

Monday, 23 October 2023 09:45 (45 minutes)

Presenter: BLUME, Doerte

Session Classification: Monday morning

Contribution ID: 4

Type: **not specified**

Four-neutron correlations

Monday, 23 October 2023 11:00 (45 minutes)

Presenter: MARQUES, Miguel

Session Classification: Monday morning

Contribution ID: 5

Type: **not specified**

Multichannel nature of the lithium few-body puzzle

Monday, 23 October 2023 11:45 (45 minutes)

Presenter: KOKKELMANS, Servaas

Session Classification: Monday morning

Contribution ID: 6

Type: **not specified**

The importance of few-nucleon forces in chiral effective field theory

Monday, 23 October 2023 15:00 (45 minutes)

Presenter: FORSSEN, Christian

Session Classification: Monday afternoon

Contribution ID: 7

Type: **not specified**

Interferometry of Efimov states in thermal gases by modulated magnetic fields

Monday, 23 October 2023 15:45 (45 minutes)

Presenter: GIANNAKEAS, Panos

Session Classification: Monday afternoon

Contribution ID: 8

Type: **not specified**

Equation of state of 4He from an Effective Interaction

Monday, 23 October 2023 17:00 (45 minutes)

Presenter: PEDERIVA, Francesco

Session Classification: Monday afternoon

Critical stability ... / Report of Contributions

TBA

Contribution ID: 9

Type: **not specified**

TBA

Tuesday, 24 October 2023 09:00 (45 minutes)

Presenter: TUMINO, Aurora

Session Classification: Tuesday morning

Contribution ID: **10**

Type: **not specified**

Few-body and many-body description of low-dimensional atomic clusters

Tuesday, 24 October 2023 09:45 (45 minutes)

Presenter: PETROV, Dmitry

Session Classification: Tuesday morning

Contribution ID: 11

Type: **not specified**

Impurity physics in the heavy-mass limit: a Fermi-Bose mixture of 6-Li and 133-Cs atoms

Tuesday, 24 October 2023 11:00 (45 minutes)

Presenter: LIPPI, Eleonora

Session Classification: Tuesday morning

Contribution ID: 12

Type: **not specified**

Structure of neutron-rich nuclei with core+4n cluster model

Tuesday, 24 October 2023 11:45 (45 minutes)

Presenter: HIYAMA, Emiko

Session Classification: Tuesday morning

Contribution ID: 13

Type: **not specified**

free discussion

Tuesday, 24 October 2023 14:30 (30 minutes)

Session Classification: Tuesday afternoon

Contribution ID: 14

Type: **not specified**

Vortices in dipolar quantum gases

Tuesday, 24 October 2023 15:00 (45 minutes)

Presenter: FERLAINO, Francesca

Session Classification: Tuesday afternoon

Contribution ID: 15

Type: **not specified**

Universal bosonic clusters with microscopic two- and three-body interactions

Tuesday, 24 October 2023 15:45 (45 minutes)

Presenter: MADEIRA, Lucas

Session Classification: Tuesday afternoon

Contribution ID: 16

Type: **not specified**

The Short-time Approximation of response functions in strongly interacting fermionic systems

Tuesday, 24 October 2023 17:00 (45 minutes)

Presenter: KING, Garret

Session Classification: Tuesday afternoon

Contribution ID: 17

Type: **not specified**

Universal two-neutron distributions of halo nuclei

Tuesday, 24 October 2023 17:45 (45 minutes)

Presenter: GOEBEL, Matthias

Session Classification: Tuesday afternoon

Contribution ID: **18**

Type: **not specified**

When Matter meets Antimatter: The Hydrogen-Antihydrogen Molecule

Wednesday, 25 October 2023 09:00 (45 minutes)

Presenter: SAENZ, Alejandro

Session Classification: Wednesday morning

Contribution ID: **19**

Type: **not specified**

TBA

Wednesday, 25 October 2023 09:45 (45 minutes)

Presenter: GATTOBIGIO, Mario

Session Classification: Wednesday morning

Contribution ID: 20

Type: **not specified**

Structure and field-induced dynamics of small helium clusters

Wednesday, 25 October 2023 11:00 (45 minutes)

Presenter: KUNITSKI, Maksim

Session Classification: Wednesday morning

Contribution ID: 21

Type: **not specified**

Borromean Three-Body Halo Universality

Wednesday, 25 October 2023 11:45 (45 minutes)

Presenter: NAIDON, Pascal

Session Classification: Wednesday morning

Contribution ID: 22

Type: **not specified**

Improved action in contact EFTs

Wednesday, 25 October 2023 15:00 (45 minutes)

Presenter: CONTESSI, Lorenzo

Session Classification: Wednesday afternoon

Contribution ID: 23

Type: **not specified**

Ion-atom-atom three-body recombination: from plasma physics to cold chemistry

Wednesday, 25 October 2023 15:45 (45 minutes)

Presenter: PEREZ RIOS, Jesus

Session Classification: Wednesday afternoon

Contribution ID: 24

Type: **not specified**

Strangers in a strange land

Wednesday, 25 October 2023 17:00 (45 minutes)

Presenter: LAZAUSKAS, Rimas

Session Classification: Wednesday afternoon

Contribution ID: 25

Type: **not specified**

Three-body systems confined by an external field

Wednesday, 25 October 2023 17:45 (45 minutes)

Presenter: GARRIDO, Eduardo

Session Classification: Wednesday afternoon

Contribution ID: 26

Type: **not specified**

Distilling the essential elements of Nuclear Binding via Neural Network Quantum States

Thursday, 26 October 2023 09:00 (45 minutes)

Presenter: GNECH, Alex

Session Classification: Thursday morning

Contribution ID: 27

Type: **not specified**

Weakly bound states and near-threshold resonances from ab initio nuclear theory

Thursday, 26 October 2023 09:45 (45 minutes)

Presenter: NAVRATIL, Petr

Session Classification: Thursday morning

Contribution ID: 28

Type: **not specified**

Nuclear model with explicit mesons: the pion cloud

Thursday, 26 October 2023 11:00 (45 minutes)

Presenter: FEDOROV, Dmitri

Session Classification: Thursday morning

Contribution ID: 29

Type: **not specified**

Nonlocal interactions for few-body reactions

Thursday, 26 October 2023 11:45 (45 minutes)

Presenter: DELTUVA, Arnas

Session Classification: Thursday morning

Contribution ID: 30

Type: **not specified**

Can reduced dimensions lead to increased lifetime of three-body resonance states?

Thursday, 26 October 2023 15:00 (45 minutes)

Presenter: HAPP, Lucas

Session Classification: Thursday afternoon

Contribution ID: 31

Type: **not specified**

D-dimensional three-body bound-state problem with zero range interactions

Thursday, 26 October 2023 15:45 (45 minutes)

Presenter: DOS SANTOS ROSA, Derick

Session Classification: Thursday afternoon

Contribution ID: 32

Type: **not specified**

An Hypercentral Many Body Functional

Thursday, 26 October 2023 17:00 (45 minutes)

Presenter: ORLANDINI, Giuseppina

Session Classification: Thursday afternoon

Contribution ID: 33

Type: **not specified**

Abnormal solutions of Bethe-Salpeter equation

Friday, 27 October 2023 09:00 (45 minutes)

Presenter: CARBONELL, Jaume

Session Classification: Friday morning

Contribution ID: **34**

Type: **not specified**

Multiquark states containing heavy quarks

Friday, 27 October 2023 09:45 (45 minutes)

Presenter: RICHARD, Jean-Marc

Session Classification: Friday morning

Contribution ID: 35

Type: **not specified**

The alpha particle monopole form factor

Friday, 27 October 2023 11:00 (45 minutes)

Presenter: BACCA, Sonia

Session Classification: Friday morning

Contribution ID: 36

Type: **not specified**

Probing the structure of low-lying states of light nuclei using proton beam

Friday, 27 October 2023 11:45 (45 minutes)

Presenter: MAZUMDAR, Indranil

Session Classification: Friday morning

Contribution ID: 37

Type: **not specified**

free discussion

Friday, 27 October 2023 14:45 (1h 15m)

Session Classification: Friday afternoon

Contribution ID: **38**

Type: **not specified**

Concluding remarks

Session Classification: Friday afternoon

Contribution ID: 39

Type: **not specified**

Distilling the essential elements of Nuclear Binding via Neural Network Quantum States

Presenter: GNECH, Alex

Session Classification: Thursday afternoon