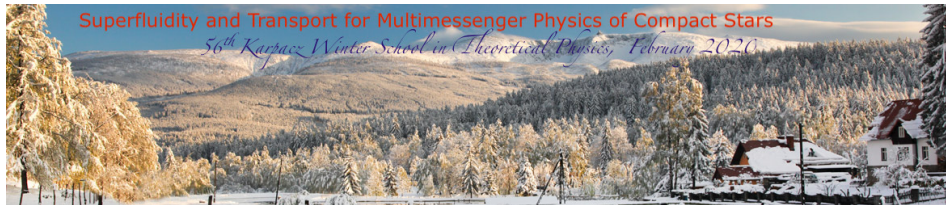


56th Karpacz Winter School in Theoretical Physics 2020



Report of Contributions

Contribution ID: 3

Type: **not specified**

Chamel Lecture 1+2

Monday, 24 February 2020 09:30 (1h 30m)

Presenter: Dr CHAMEL, Nicolas (Université Libre de Bruxelles)

Contribution ID: 4

Type: **not specified**

Mrowczynski Lecture 1+2

Monday, 24 February 2020 11:30 (1h 30m)

Contribution ID: 5

Type: **not specified**

Raduta Lecture 1+2

Monday, 24 February 2020 15:00 (1h 30m)

Contribution ID: 6

Type: **not specified**

Mrowczynski Lecture 3+4

Tuesday, 25 February 2020 09:30 (1h 30m)

Contribution ID: 7

Type: **not specified**

Chamel Lecture 3+4

Contribution ID: **8**

Type: **not specified**

Raduta Lecture 3+4

Tuesday, 25 February 2020 15:00 (1h 30m)

Contribution ID: 9

Type: **not specified**

Mrowczynski Exercise Session

Tuesday, 25 February 2020 17:00 (1 hour)

Contribution ID: **10**

Type: **not specified**

Student's talks

Contribution ID: **11**

Type: **not specified**

Chamel Exercise Session

Contribution ID: **12**

Type: **not specified**

Alford Lecture 1+2

Wednesday, 26 February 2020 09:30 (1h 30m)

Contribution ID: 13

Type: **not specified**

Bulgac Lecture 1+2

Wednesday, 26 February 2020 11:30 (1h 30m)

Contribution ID: **14**

Type: **not specified**

Krotscheck Lecture 1+2

Thursday, 27 February 2020 09:30 (1h 30m)

Contribution ID: 15

Type: **not specified**

Bulgac Exercise Session

Thursday, 27 February 2020 17:00 (1 hour)

Contribution ID: **16**

Type: **not specified**

Alford Lecture 3+4

Thursday, 27 February 2020 11:30 (1h 30m)

Contribution ID: 17

Type: **not specified**

Bulgac Lecture 3+4

Thursday, 27 February 2020 15:00 (1h 30m)

Contribution ID: **18**

Type: **not specified**

Student's Talks

Contribution ID: **19**

Type: **not specified**

Krotscheck Lecture 3+4

Friday, 28 February 2020 09:30 (1h 30m)

Contribution ID: 20

Type: **not specified**

Alford Public Lecture "Quantum Mechanics and the Weirdness of Nature"

Friday, 28 February 2020 11:30 (1 hour)

Contribution ID: 21

Type: **not specified**

Krotscheck Exercise Session

Contribution ID: 22

Type: **not specified**

Public Lectures on Physics of Neutron Stars - Blaschke

Contribution ID: 23

Type: **not specified**

Investigating resonant shattering flares by modelling the vibrational modes within neutron stars

Monday, 24 February 2020 17:00 (20 minutes)

Presenter: NEILL, Duncan

Contribution ID: 24

Type: **not specified**

Magnetic flux tubes in colour-superconducting quark matter

Monday, 24 February 2020 17:20 (20 minutes)

Presenter: EVANS, Geraint

Contribution ID: 25

Type: **not specified**

Modeling the cooling phase of young proto-neutron stars.

Monday, 24 February 2020 17:40 (20 minutes)

Presenter: PASCAL, Aurélien

Contribution ID: 26

Type: **not specified**

The effects of localized heating in the crust of a neutron star

Monday, 24 February 2020 18:00 (20 minutes)

Presenter: DE GRANDIS, Davide

Contribution ID: 27

Type: **not specified**

Structure properties of strange quark stars

Tuesday, 25 February 2020 18:00 (20 minutes)

Presenter: KAYANIKHOO, Fatemeh

Contribution ID: 28

Type: **not specified**

Quark-flavor dependence of the transport parameters of the quark-gluon plasma

Tuesday, 25 February 2020 18:20 (20 minutes)

Presenter: MYKHAYLOVA , Valeriya

Contribution ID: 29

Type: **not specified**

Elastic properties of crystals in neutron stars crust

Tuesday, 25 February 2020 18:40 (20 minutes)

Presenter: KOZHBEROV, Andrew

Contribution ID: **30**

Type: **not specified**

Inverse-Chirp Imprint of Gravitational Wave Signals in Scalar Tensor Theory

Tuesday, 25 February 2020 19:00 (20 minutes)

Presenter: KUAN, Jao-Jui

Contribution ID: 34

Type: **not specified**

The effect of non-linear mutual friction on pulsar glitch sizes and rise times

Thursday, 27 February 2020 18:00 (20 minutes)

Presenter: CELORA, Thomas

Contribution ID: 35

Type: **not specified**

The crust of accreting neutron stars within simplified reaction network

Thursday, 27 February 2020 18:20 (20 minutes)

Presenter: SHCHECHILIN, Nikolay

Contribution ID: 36

Type: **not specified**

Bulk viscosity of dense baryonic matter in neutron star mergers

Thursday, 27 February 2020 18:40 (20 minutes)

Presenter: Dr HARUTYUNYAN, Arus

Contribution ID: 37

Type: **not specified**

Universality of the relativistic correction to glitch rise-times

Friday, 28 February 2020 15:00 (20 minutes)

Presenter: GAVASSINO, Lorenzo

Contribution ID: 39

Type: **not specified**

Modeling superfluidity in neutron stars with Brussels-Montreal functionals

Friday, 28 February 2020 15:20 (20 minutes)

Presenter: PEČAK, Daniel

Contribution ID: 40

Type: **not specified**

Unified modelling for intermediate energy heavy ion reaction and supernova matter

Friday, 28 February 2020 15:40 (20 minutes)

Presenter: MALLIK, Swagata

Contribution ID: 41

Type: **not specified**

Magnetic field influence on magnetar crusts – a unified description of the crust

Friday, 28 February 2020 16:30 (20 minutes)

Presenter: MUTAFCHIEVA, Yuliya

Contribution ID: 43

Type: **not specified**

Dark matter effect on the neutron star properties

Thursday, 27 February 2020 19:00 (20 minutes)

Presenter: Dr SAGUN, Violetta

Contribution ID: 44

Type: **not specified**

Crust and core contributions in overshooting pulsar glitches

Monday, 24 February 2020 18:20 (20 minutes)

Presenter: MONTOLI, Alessandro

Contribution ID: 45

Type: **not specified**

Entrainment effects in neutron-proton mixtures within the nuclear energy-density functional theory (at low-temperature limit)

Tuesday, 25 February 2020 19:20 (20 minutes)

Presenter: VALENTIN, Allard

Contribution ID: 46

Type: **not specified**

The role of repulsive quark-vector interactions in the phenomenology of neutron stars

Friday, 28 February 2020 16:50 (20 minutes)

Presenter: Dr MARCZENKO, Michał

Contribution ID: 48

Type: **not specified**

Effective field theory methods for plasmas

Friday, 28 February 2020 17:10 (20 minutes)

Presenter: COMADRAN CASAS, Marc

Contribution ID: 49

Type: **not specified**

Chamel Lecture 3+4

Tuesday, 25 February 2020 11:30 (1h 30m)