

The first compact star merger event –Implications for nuclear and particle physics

Report of Contributions

Contribution ID: 1

Type: **not specified**

Registration

Monday 14 October 2019 09:00 (30 minutes)

Contribution ID: 2

Type: **not specified**

Opening Blaschke

Monday 14 October 2019 09:30 (30 minutes)

Contribution ID: 3

Type: **not specified**

GW170817: Stringent constraints on neutron star radii from multimessenger observations

Monday 14 October 2019 10:00 (1 hour)

Presenter: CAPANO, Collin

Contribution ID: 4

Type: **not specified**

Coffee break

Contribution ID: 5

Type: **not specified**

Inferring the Nature of Postmerger Remnant in GW170817

Monday 14 October 2019 11:30 (45 minutes)

Presenter: BRESCHI, Matteo

Contribution ID: 6

Type: **not specified**

Phenomenology of the QCD phase transition

Monday 14 October 2019 12:15 (45 minutes)

Presenter: BASTIAN, Niels-Uwe

Contribution ID: 7

Type: **not specified**

Constraining the neutron star equation of state with GW170817

Monday 14 October 2019 15:00 (30 minutes)

Presenter: BHAT, Sajad

Contribution ID: 8

Type: **not specified**

Twin stars in a modified chiral mean field model

Monday 14 October 2019 15:30 (30 minutes)

Presenter: JAKOBUS, Pia

Contribution ID: 9

Type: **not specified**

Optimal neutron-star mass ranges to constrain the EOS with

Monday 14 October 2019 16:00 (30 minutes)

Presenter: WEIH, Lukas

Contribution ID: **10**

Type: **not specified**

Discussion EoS - cold

Monday 14 October 2019 17:00 (1h 30m)

Presenter: BALDO , Burgio -

Contribution ID: 11

Type: **not specified**

Thermodynamics conditions of matter in BNS mergers

Tuesday 15 October 2019 09:30 (45 minutes)

Presenter: PEREGO, Albino

Contribution ID: 12

Type: **not specified**

The creation of the first r-process peak elements in the aftermath of neutron star merger

Tuesday 15 October 2019 10:15 (45 minutes)

Presenter: NIKAS, Stylianos

Contribution ID: 13

Type: **not specified**

Neutrino-nucleon interactions in dense matter

Tuesday 15 October 2019 11:30 (45 minutes)

Presenter: OERTEL, Micaela

Contribution ID: 14

Type: **not specified**

Finite temperature equation of state for neutron star mergers

Tuesday 15 October 2019 12:15 (45 minutes)

Presenter: RADUTA, Ariana

Contribution ID: 15

Type: **not specified**

Hot neutron stars with microscopic equations of state

Tuesday 15 October 2019 15:00 (30 minutes)

Presenter: LU, Jia Jing

Contribution ID: 16

Type: **not specified**

Neutron stars: celestial laboratories for dense matter

Tuesday 15 October 2019 15:30 (30 minutes)

Presenter: SOMA, Shriya

Contribution ID: 17

Type: **not specified**

Bulk viscosity of neutrino-trapped baryonic matter in neutron star mergers

Tuesday 15 October 2019 16:00 (30 minutes)

Presenter: HARUTYUNIAN, Arus

Contribution ID: **18**

Type: **not specified**

Discussion EoS warm

Tuesday 15 October 2019 17:00 (1 hour)

Presenter: FISCHER, Horowitz -

Contribution ID: **19**

Type: **not specified**

Electromagnetic counterpart to neutron star mergers

Wednesday 16 October 2019 09:30 (45 minutes)

Chairman: Sedrakian

Presenter: NEDORA, Vsevolod

Contribution ID: **20**

Type: **not specified**

Compact stars with QCD phase transition and GW170817

Wednesday 16 October 2019 10:15 (45 minutes)

Presenter: SEDRAKIAN, Armen

Contribution ID: 21

Type: **not specified**

Third family of compact stars within a nonlocal chiral quark EoS

Wednesday 16 October 2019 11:30 (45 minutes)

Presenter: ALVAREZ-CASTILLO, David

Contribution ID: 22

Type: **not specified**

Cooling of neutron stars

Wednesday 16 October 2019 12:15 (45 minutes)

Presenter: WEI, Jinbiao

Contribution ID: 23

Type: **not specified**

Constraining the equation of state of dense matter using tidal deformability and oscillations of neutron stars

Wednesday 16 October 2019 15:00 (30 minutes)

Presenter: SOURIE, Aurelian

Contribution ID: 24

Type: **not specified**

Gravitational waves from holographic neutron star mergers

Wednesday 16 October 2019 15:30 (30 minutes)

Presenter: VAN DER SCHEE, Wilke

Contribution ID: 25

Type: **not specified**

Neutron star equation of state from holographic QCD

Wednesday 16 October 2019 16:00 (30 minutes)

Presenter: NIJS, Govert

Contribution ID: 26

Type: **not specified**

Discussion Simulation Observables

Wednesday 16 October 2019 17:00 (1 hour)

Presenter: BAUSWEIN, Perego -

Contribution ID: 27

Type: **not specified**

Neutron star mergers and matter under extreme conditions

Thursday 17 October 2019 09:30 (45 minutes)

Presenter: BAUSWEIN, Andreas

Contribution ID: 28

Type: **not specified**

Electromagnetic counterparts of black hole neutron star mergers

Thursday 17 October 2019 10:15 (45 minutes)

Presenter: BARBIERI, Claudio

Contribution ID: 29

Type: **not specified**

NS EoS and tidal deformability with nuclear energy density functionals

Thursday 17 October 2019 11:30 (45 minutes)

Presenter: LEE, Chang Hwan

Contribution ID: **30**

Type: **not specified**

What have we learned from GW170817

Thursday 17 October 2019 12:15 (45 minutes)

Presenter: BULIK, Tomasz

Contribution ID: 31

Type: **not specified**

Chiral symmetry restoration by parity doubling and structure of neutron stars

Thursday 17 October 2019 15:00 (30 minutes)

Presenter: MARCZENKO, Michal

Contribution ID: 32

Type: **not specified**

Neutron star phenomenology using the Dyson-Schwinger equations

Thursday 17 October 2019 15:30 (30 minutes)

Presenter: CIERNIAK, Mateusz

Contribution ID: 33

Type: **not specified**

BNS mergers with microscopic equations of state

Thursday 17 October 2019 16:00 (30 minutes)

Presenter: FIGURA , Antonio

Contribution ID: **34**

Type: **not specified**

Discussion EoS - hybrid

Thursday 17 October 2019 17:00 (1 hour)

Presenter: BLASCHKE, Schulze-

Contribution ID: 36

Type: **not specified**

Bayesian analysis for extracting EoS for NS matter

Friday 18 October 2019 10:15 (45 minutes)

Presenter: GRIGORIAN, Hovik

Contribution ID: 37

Type: **not specified**

Mergers and the PREX neutron density experiment

Friday 18 October 2019 11:30 (45 minutes)

Presenter: HOROWITZ, Charles

Contribution ID: **38**

Type: **not specified**

Latest news & conclusions

Friday 18 October 2019 12:15 (45 minutes)

Contribution ID: 39

Type: **not specified**

Chairman Wednesday morning Schulze, Wednesday afternoon Ecker

Wednesday 16 October 2019 09:29 (1 minute)

Contribution ID: 40

Type: **not specified**

Chairman Thursday morning Truemper, Thursday afternoon Burgio

Thursday 17 October 2019 09:25 (5 minutes)

Contribution ID: 41

Type: **not specified**

Chairman Friday Lee

Friday 18 October 2019 09:25 (5 minutes)

Contribution ID: 42

Type: **not specified**

Chairman Monday morning + afternoon Blaschke

Monday 14 October 2019 08:55 (5 minutes)

Contribution ID: 43

Type: **not specified**

Chairman Tuesday morning Horowitz, Tuesday afternoon Sedrakian

Tuesday 15 October 2019 09:25 (5 minutes)

Contribution ID: 44

Type: **not specified**

Constraining the supersaturation density equation of state by neutron star observations

Friday 18 October 2019 09:30 (45 minutes)

Presenter: TRUEEMPER, Joachim