

Session Program

25-29 Apr 2016



Annual NewCompStar Conference 2016

Plenary Talk

Istanbul, Bogazici University-Rectorate Building
Boğaziçi University 34342 Bebek/Istanbul Turkey

Monday 25 April

09:00

Plenary Talk

Session |**Location:** Istanbul, Bogazici University-Rectorate Building, Boğaziçi University 34342 Bebek/Istanbul Turkey

09:10-10:00

Gravitational waves from isolated neutron stars

Speaker

Ian Jones

10:00-10:50

gravitational wave emission from isolated neutron stars and the dynamics of the associated unstable oscillation modes

Speaker

Kostas Glampedakis

10:50

Tuesday 26 April

09:00

Plenary Talk: Plenary Talk

Session |

Location: Istanbul, Bogazici University-Rectorate Building, Boğaziçi University 34342 Bebek/Istanbul Turkey

09:10–10:00

R process nucleosynthesis in supernovae and neutron star mergers

Speaker

Friedrich Thielemann, Andreas Lohs

10:50

10:00–10:50

Transport phenomena in neutron stars

Speaker

Laura Tolos

11:20

Plenary Talk: Plenary Talk

Session |

Location: Istanbul, Bogazici University-Rectorate Building, Boğaziçi University 34342 Bebek/Istanbul Turkey

11:20–12:10

Quark Deconfinement in the Context of the Millisecond Magnetar Model for GRBs

Speaker

Dr Niccolo Bucciantini

13:00

12:10–13:00

Probing neutron star properties with pulsar glitches

Speaker

Prof. Pierre Pizzochero

Wednesday 27 April

09:00

Plenary Talk: Plenary Talk

Session |**Location:** Istanbul, Bogazici University-Rectorate Building, Boğaziçi University 34342 Bebek/Istanbul Turkey

09:10–10:00

Gravitational-wave signal from binary neutron stars: a systematic analysis of the spectral properties

Speaker

Luciano Rezzolla

10:50

10:00–10:50

"Topics in the Theory of Dense Matter: Progress and Challenges"

Speaker

Prof. Chris Pethick

11:20

Plenary Talk: Plenary Talk

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11:20–12:10

Neutron stars in alternative theories of gravity - models, astrophysical implications and universal relations

Speaker

Dr Daniela Doneva

12:10

Thursday 28 April

09:00

Plenary Talk: Plenary Talk

Session |

Location: Istanbul, Bogazici University-Rectorate Building, Boğaziçi University 34342 Bebek/Istanbul Turkey

09:10-10:00

Neutron stars as the progenitors & central engines of GRBs

Speaker

Dr Antonia Rowlinson

10:50

10:00-10:50

Inferring properties of the central engine of short GRBs

Speaker

Paul Lasky

11:20

Plenary Talk: Plenary Talk

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11:20-12:10

Do hyperons exist in the interior of neutron stars?

Speaker

Dr Isaak Vidana

12:10-13:00

Interacting fermion star in Kaluza--Klein World, FRG Approach to Nuclear Matter in Extreme Conditions

Speaker

Gergely Gabor Barnaföldi- Szilvia Karsai-Peter Posfay

13:00

Friday 29 April

09:00

Plenary Talk: Plenary Talk

Session |

Location: Istanbul, Bogazici University-Rectorate Building, Boğaziçi University 34342 Bebek/Istanbul Turkey

09:10-10:00

Observational constraints on the physical properties of neutron stars

Speaker

Dr Bettina Posselt

10:50

10:00-10:50

Observational aspects of isolated neutron stars

Speaker

Silvia Zane

11:20

Plenary Talk: Plenary Talk

Session |

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11:30-11:50

Nonlinear Superfluid Dynamics - Evidence in Pulsars

Speaker

Prof. M. Ali Alpar

12:40

11:50-12:40

Astrophysical constraints on the equation of state?

Speaker

Dr Morgane Fortin