

Monday 10 June

09:30 **Plenary talks** Session Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html The cosmological axion domain wall problem 09:30-10:00 Speaker Subir Sarkar 10:00-10:30 Coherent and incoherent dynamics of Fuzzy Dark Matter . Speaker Gerasimos Rigopoulos 10:30-11:00 Pre-merger & post-merger phenomena in compact binary mergers **Speaker** Kostas Kokkotas 11:00 11:30 Plenary talks Session Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html 11:30-12:00 Pulsar Polarization Array Speaker Tao Liu 12:00-12:30 **Diffuse Axion Background** Speaker Joshua Eby Hunting for dark matter with its high-energy fluxes 12:30-13:00 **Speaker** Filippo Sala 13:00 15:00 Plenary talks Session Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html 15:00-15:30 Tensions and anomalies in cosmology Speaker Javier de Cruz Pérez 15:30-16:00 Finite volume effects in QFT and cosmic bounce **Speaker** Jean Alexandre **Investigating Dark Matter: Insights from Stars** 16:00-16:30

Speaker
Ilidio Lopes

16:30

Tuesday 11 June

09:30

Plenary talks

Session

Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html

09:30-10:00 Non-adiabatic inflation

Speaker

David Wands

10:00-10:30

The impact of modifications to gravity on inhomogeneous cosmologies

Speaker

Katy Clough

10:30-11:00

Non-perturbative physics of inflation

Speaker

Sébastien Renaux-Petel

11:00 11:30

Plenary talks

Session

Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html

11:30-12:00

LIGO - Virgo - KAGRA stochastic searches and results.

Speaker

Jishnu Suresh

12:00-12:30

Mechanisms for primordial black hole formation from single field inflation

Speaker

Guillermo Ballesteros

12:30-13:00

Non-Gaussianity of the curvature peturbation and its impact on the primordial black hole formation

Speaker

Shi Pi

13:00 15:00

Plenary talks

Session

Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html

15:00-15:30 Entanglement in an expanding universe

Speaker

Nikolaos Tetradis

15:30-16:00 Like a bridge over troubled water: NEDE and the Hubble tension

Speaker

Martin Snoager Sloth

16:00-16:30

On how BAO shape the late-time solutions to the H0 tension, and the wXCDM

Speaker

Adrià Gómez-Valent

16:30 17:00

Plenary talks

Session

Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html

17:00-17:30 Gravitational particle production and freeze-in at stronger coupling

Speaker Oleg Lebedev

17:30-18:00

Minimal & Nonminimal Dark Matter

Speaker

Anna Socha

18:00

Wednesday 12 June

09:30 **Plenary talks** Session Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html 09:30-10:00 Explaining nonlinearities in black hole ringdowns from symmetries Speaker Antonio Walter Riotto 10:00-10:30 A stretched horizon effective field theory understanding of black hole echoes **Speaker** Subodh Patil What's inside a black hole? 10:30-11:00 Speaker Ramy Brustein 11:00 11:20 Plenary talks Session Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html 11:30-12:00 Dynamical friction, dark matter and gravitational wave signals Speaker Vincent Desjacques 12:00-12:30 The Black Hole Formation -- Null Geodesic Correspondence Speaker

Davide Perrone

13:00

5

Thursday 13 June

09:30

Plenary talks

Session

Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html

09:30-10:00 Connecting the baryons to the dark matter of the Universe

Speaker

Alejandro Ibarra

10:00-10:30

Status of the LUXZEPLIN dark matter experiment

Speaker

Aiham Al Musalhi

10:30-11:00

Searching for Dark Matter in Gamma Rays

Speaker

Ilias Cholis

11:00 11:30

Plenary talks

Session

Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html

11:30-12:00

Exploring the early universe via high energy nuclear collisions on the Earth

Jamal Jalilian-Marian

12:00-12:30 Minimal sterile neutrino dark matter

Speaker

Torsten Bringmann

12:30-13:00 Cosmology with broken diffeomorphisms

Speaker

ANTONIO LOPEZ MAROTO

13:00 15:00

Plenary talks

Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html

15:00-15:30

Constraining primordial black holes of asteroid masses by observation of stars in dwarf galaxies

Speaker

Peter Tinyakov

15:30-16:00

On the early dressing of primordial black holes by particle dark matter in the radiation era

Speaker

Julien Lavalle

16:00-16:30

Unitarity in the non-relativistic regime and implications for dark matter

Speaker

Marcos Flores 16:30

17:00

Plenary talks

Session

Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html

17:00-17:30 Condensed dark matter with a Yukawa interaction

Speaker

Jerome Vandecasteele

17:30-18:00 Excited bound states and their role in dark matter production

Speaker

Stefan Lederer

18:30

Friday 14 June

09:30

Plenary talks

Session

Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html

09:30-10:00 Applications of the Tunneling Potential Formalism

Speaker

Jose Ramon Espinosa Sedano

10:00-10:30 A parity-violating Universe? Cosmic Birefringence (and more).

Speaker

Nicola Bartolo

10:30-11:00

On the Effective Field Theory of Large Scale Structure

Speaker

Leonardo Senatore

11:00 11:30

Plenary talks

Session

Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html

11:30-12:00

Peering Beyond the Standard Model at the LHC: The Odyssey For Anomalously Ionizing Messengers of New Physics with MoEDAL-MAPP

Speaker

Michael Anthony Staelens

12:00-12:30

Search for cosmological phase transitions through their gravitational wave signals

Speaker

Marek Lewicki

12:30-13:00

Fundamental fields, scalar charges and Extreme Mass Ratio Inspirals

Speaker

Andrea Maselli

13:30

15:00 Plenary talks

Session

Location: Athens, Greece, National Hellenic Research Foundation (NHRF) 48 Vassileos Constantinou Ave. 11635 Athens, Greece http://www.eie.gr/index-en.html

15:00-15:30 Gravitational Wave Discoveries Enabled by Machine Learning

Speaker

Nikolaos Stergioulas

15:30-16:00 Probing massive black holes with gravitational waves

Speaker Konstantinos Kr	os .
16:00-16:30	Realising dark matter via dark branes
Speaker	
Fotios Koutroulis	