

Session Program

8-12 Jun 2026

ATHEXIS - Athens Symposium on Exploring the Universe

Plenary talk

Athens, Greece

Multimedia Amphitheatre of the Central Library of National Technical University, Zografou Campus
Athens 15780, Greece e_phys@mail.ntua.gr

Monday 8 June

09:30

Plenary talk: The Case for Astrons

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensator: Dr. S. D. P. Greece e_phys@mail.ntua.gr |

10:15

10:15

Plenary talk: Probing the primordial power spectrum from dynamical heating of astrophysical disks in the local universe

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensator: Dr. S. D. P. Greece e_phys@mail.ntua.gr |

11:00

11:30

Plenary talk

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensator: Dr. S. D. P. Greece e_phys@mail.ntua.gr |

12:15

12:15

Plenary talk: Cosmology with Gravitational-Wave Standard Sirens

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensator: Dr. S. D. P. Greece e_phys@mail.ntua.gr |

13:00

14:30

Plenary talk: Compact Stars can test Extra-Dimensional Dark Matter

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensator: Dr. S. D. P. Greece e_phys@mail.ntua.gr |

15:15

Tuesday 9 June

09:30

Plenary talk: TBA

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensation: 15780, Greece e_phys@mail.ntua.gr |

10:15

10:15

Plenary talk: Dark Matter searches:light and heavy

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensation: 15780, Greece e_phys@mail.ntua.gr |

11:00

11:30

Plenary talk: Linear response theory for light dark matter-electron scattering in materials

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensation: 15780, Greece e_phys@mail.ntua.gr |

12:15

12:15

Plenary talk: From Cosmic Tensions to Fundamental Physics: A New Phase Transition in the Early Universe

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensation: 15780, Greece e_phys@mail.ntua.gr |

13:00

14:30

Plenary talk: Perturbative and non- perturbative aspects of flav or and chiral oscillations

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensation: 15780, Greece e_phys@mail.ntua.gr |

15:15

Wednesday 10 June

09:30

Plenary talk: Primordial Black Holes: formation and statistics

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensator: Christos G. Gammie e_phys@mail.ntua.gr |

10:15

10:15

Plenary talk: A Non-Gaussian Perspective on Primordial Black Holes and Gravitational Waves

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensator: Christos G. Gammie e_phys@mail.ntua.gr |

11:00

11:30

Plenary talk: Light states in multi-Higgs potentials with multiple vacua

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensator: Christos G. Gammie e_phys@mail.ntua.gr |

12:15

12:15

Plenary talk: TBA

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensator: Christos G. Gammie e_phys@mail.ntua.gr |

13:00

14:30

Plenary talk: All Orders, All the Way Down

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensator: Christos G. Gammie e_phys@mail.ntua.gr |

15:15

Thursday 11 June

09:30

Plenary talk: Standard Model and Beyond with Strings Attached

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensation: 15780, Greece e_phys@mail.ntua.gr |

10:15

10:15

Plenary talk: Probing String-Theory- Inspired Topologies of the Early Universe through CMB Temperature and Polarization Anisotropies

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensation: 15780, Greece e_phys@mail.ntua.gr |

11:00

11:30

Plenary talk: Quintessence with Tachyonic Resonance: Late- Time Signatures in the CMB, Gravitational Waves, and Beyond

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

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12:15

12:15

Plenary talk: Running Vacuum: Unified Paradigm for Inflation and Dark Energy

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensation: 15780, Greece e_phys@mail.ntua.gr |

13:00

14:30

Plenary talk: New tools for cosmology by Extended Theories of Electro-Magnetism

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensation: 15780, Greece e_phys@mail.ntua.gr |

15:15

Friday 12 June

09:30

Plenary talk: Constraints on primordial black holes of asteroid masses

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensation: 15780, Greece e_phys@mail.ntua.gr |

10:15

10:15

Plenary talk: Cosmological collider physics from particle physics viewpoint

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensation: 15780, Greece e_phys@mail.ntua.gr |

11:00

11:30

Plenary talk: Unveiling Ultralight Axion- like Dark Matter — A PPA- PTA Method

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

Compensation: 15780, Greece e_phys@mail.ntua.gr |

12:15

12:15

Plenary talk: Gravitational waves and primordial black holes from strongly supercooled phase transitions

Session |

Location: Athens, Greece, Multimedia Amphitheatre of the Central Library of National Technical University, Zografou

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13:00