

Session Program

26 August 2024 to 4 September 2024



XIII International Conference
on New Frontiers in Physics
26 Aug - 4 Sep 2024, OAC, Kolymbari, Crete, Greece

XIII International Conference on New Frontiers in Physics 2024

Workshop on Astro-Cosmo-Gravity

Orthodox Academy of Crete, Kolymbari, Crete, Greece

Monday 26 August

09:30

Workshop on Astro-Cosmo-Gravity

Session | Location: Room 1 | Convener: Alexander Dolgov

09:30-10:00 **Multimessenger astrophysics of compact stars with exotic cores**

Speaker

Prof. Armen Sedrakian

10:00

12:20

Workshop on Astro-Cosmo-Gravity

Session | Location: Room 1 | Convener: Prof. Armen Sedrakian

12:20-12:40 **Directional dark matter searches with the NEWSdm Experiment**

Speaker

Dr Andrey Alexandrov

12:40-13:00 **An overview of CTAO Science**

Speaker

Prof. Francesco Longo

13:00

Wednesday 28 August

09:00

Workshop on Astro-Cosmo-Gravity

Session | Location: Room 1 | Convener: Prof. Armen Sedrakian

09:00-09:30

Formation of twin stars in low-mass X-ray binaries and in supernova explosions

Speaker

David Blaschke

09:30

11:00

Workshop on Astro-Cosmo-Gravity

Session | Location: Room 3 | Convener: Prof. Armen Sedrakian

11:20-11:40

X-ray Emission spectrum from strongly magnetized neutron stars due to axion to photon conversion

Speaker

Prof. Madhukar Mishra

11:40