Session Program

30 August 2022 to 12 September 2022



XI International Conference on New Frontiers in Physics

Cosmology, Astrophysics, Gravity, Mathematical Physics

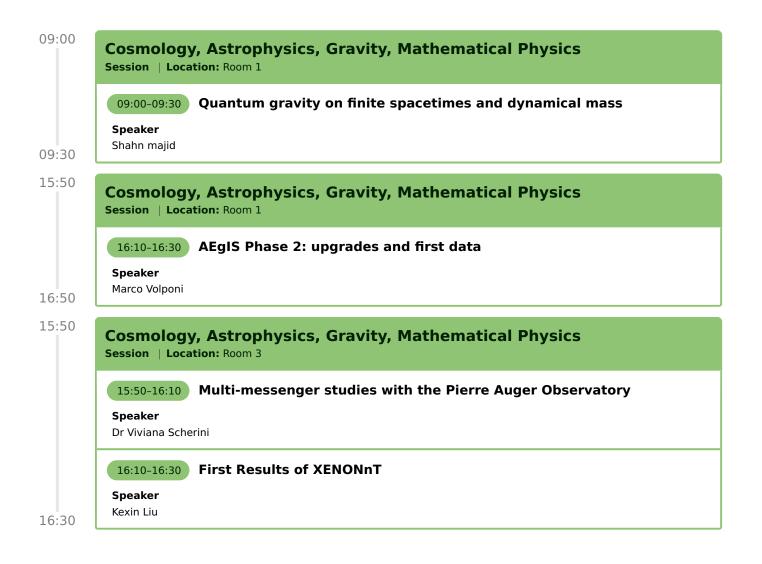
Conference venue: OAC conference center, Kolymbari, Crete, Greece. The conference will take place in Crete in physical form, however participation is also possible via internet

Wednesday 31 August

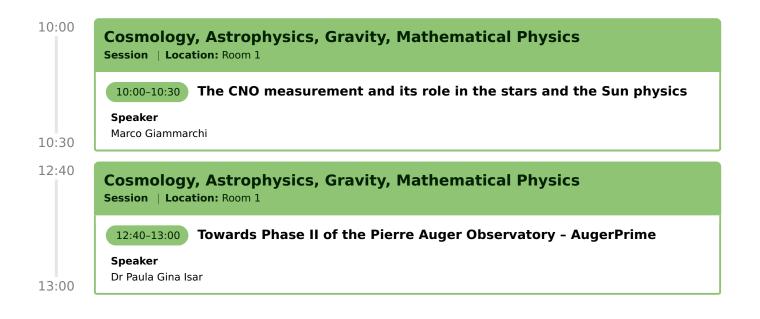


16:50

Thursday 1 September



Friday 2 September



Monday 5 September

	osmology, Astrophysics, Gravity, Mathematical Physics
TI S	11:50-12:10 he link between the highest-energy cosmic rays and particle physics at the LHC speaker faximilian Reininghaus
	osmology, Astrophysics, Gravity, Mathematical Physics
Т	15:30-15:50 he iron and nickel spectra measured with CALET on the International Space tation
	i peaker RANCESCO STOLZI
s	15:50-16:10 The NEWSdm experiment for directional dark matter searches peaker ndrey Alexandrov
	osmology, Astrophysics, Gravity, Mathematical Physics
E	15:30-15:50 xpected performance and first results of the Radio Detector of the Pierre Auger bservatory
	a peaker Iarvin Gottowik
	osmology, Astrophysics, Gravity, Mathematical Physics
	16:30-16:50 Iflating and Reheating the Universe with an Independent Affine Connection
	peaker

Tuesday 6 September



Speaker Rogerio Menezes De Almeida

16:10-16:30

Deep-Learning based Reconstruction of the Depth of Shower Maximum and Muon Shower Content using the Water-Cherenkov Detectors of the Pierre Auger Observatory

Speaker

Niklas Langner

16:30-16:50 Very Special Linear Gravity: A Gauge-Invariant Graviton Mass

Speaker

 16:50
 JORGE ALFARO

 16:30
 Cosmology, Astrophysics, Gravity, Mathematical Physics
Session | Location: Room 1

 16:30-16:50
 Probing light Dark Matter with CRESST-III experiment
Speaker
Margarita Kaznacheeva

 16:50
 Probing light Dark Matter with CRESST-III experiment

Wednesday 7 September

09:00-09:25	Antimatter in the world. State of art.
Speaker Alexander Dolg	
Cosmolog Session Loca	y, Astrophysics, Gravity, Mathematical Physics ation: Room 4
15:30-15:50	Soliton solutions in supergravity
Speaker ANTONIO GALL	ERATI
15:50-16:10	Cosmological Fluctuations in Delta Gravity
Speaker JORGE ALFARO	
16:10-16:30	The DARKSIDE-20k neutron veto
Speaker Daria Santone	
16:30-16:50)
Chiral effect supernovae	ts from non-equilibrium left-handed neutrinos in core-collapse
Speaker	-
Di-Lun Yang	
Cosmoloa	y, Astrophysics, Gravity, Mathematical Physics
Session Loca	
16:10-16:30	The present status of the LAG experiment
	•
Speaker	

Friday 9 September

9:25	Cosmology, Astrophysics, Gravity, Mathematical Physics Session Location: Room 1
	09:25-09:50 Matter under extreme conditions in neutron stars and their mergers
9:50	Speaker David Blaschke
9:50	Cosmology, Astrophysics, Gravity, Mathematical Physics Session Location: Room 1
	09:50-10:10 Highlights from the Pierre Auger Observatory
.0:10	Speaker Alexey Yushkov
1:20	Cosmology, Astrophysics, Gravity, Mathematical Physics Session Location: Room 4
	11:20-11:40 New SiPM technology for light detection in DarkSide-20k
	Speaker Lucia Consiglio
	11:40-12:00 The Sardinian site candidate to host the Einstein Telescope
2:00	Speaker Davide Rozza

Monday 12 September

15:40-16:00 Does the Weyl inv gravitational entr	variant based proposal provide an accurate description of opy?
Speaker Vaibhav Kalvakota	
Cosmology, Ast Session Location: Ro	crophysics, Gravity, Mathematical Physics
16:00-16:20 Results and Prosp	pects of the Hellenic Open University air shower array
Speaker Dr Stavros Nonis	
16:20-16:40 The T Speaker Josif Bena	Tadpole Problem
16:40-17:00 Early Universe Qu	ark-Hadron Transition Using a Phenomenological Quasi-Part
Model Speaker Yogesh Kumar	
Cosmology, Ast Session Location: Ro	rophysics, Gravity, Mathematical Physics
	opy of an Unruh source and Schwarzschild black hole
16:40-17:00 Entro Speaker Maksym Teslyk	
Speaker Maksym Teslyk	crophysics, Gravity, Mathematical Physics
Speaker Maksym Teslyk Cosmology, Ast Session Location: Ro 17:00-17:20	