

Session Program

13-17 Jul 2026

The Sixth Zeldovich meeting

Gravity and cosmology

ICRANet, Pescara, Italy
Piazza della Repubblica, 10, Pescara, Italy

Friday 17 July

15:00

Gravity and cosmology

Session | **Location:** ICRANet, Pescara, Italy, Piazza della Repubblica, 10, Pescara, Italy

15:00–15:35

On the formation of compact-object binaries from binary-driven hypernovae

Speaker

Dr Laura Marcela Becerra Bayona

15:35–16:10

Extreme Kerr-Newman Black Holes: Differential Geometry, Symmetry, and the Golden Ratio

Speaker

Prof. Giorgio SONNINO

16:10–16:30

Magnetized white dwarf and its observational implications: Beyond the Chandrasekhar limit

Speaker

Prof. Banibrata Mukhopadhyay

16:30–16:45

Coffee break

16:45–17:00

Evolution of Virial Clouds -- II: From the formation of first stars up to their explosion

Speaker

Noraiz Tahir

17:00–17:15

Non-Keplerian Galaxy Rotation Curves as a Testing Ground for Precanonical Quantum Gravity

Speaker

Dr Igor Kanatchikov

17:15–17:30

Neutrino Mixing in Torsionful Spacetimes: Quantum-Gravity Signatures and Dark-Universe Implications

Speaker

Simone Monda

17:30–17:45

Towards an Action Principle Unifying the Standard Model and Gravity

Speaker

Fernando Izaurieta

17:45–17:55

Addressing the Hubble Tension via Granular Metric Anchoring of Early Baryonic Gravitational Self-Energy

Speaker
Stephan Walrand

17:55-18:15 **Concluding remarks**

Speaker
Remo Ruffini

18:15