

Session Program

13-17 Jul 2026

The Sixth Zeldovich meeting

Sunyaev-Zeldovich effect and cosmology

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

Monday 13 July

09:00

Sunyaev-Zeldovich effect and cosmology

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

09:00–09:35 **Opening**

Speaker

Remo Ruffini

09:35–10:10 **What is possible to see in principle from the next exoplanet? (TBC)**

Speaker

Roland Walter

10:10–10:45

Working 22 years together with my Great Mentor Yakov Zeldovich: from CMB cosmology and theory of accretion onto black holes and neutron stars to four successful Orbital Space Observatories

Speaker

Prof. Rashid Sunyaev

10:45–11:15 **Coffee break**

11:15–11:50

The Atacama Cosmology Telescope: Two Decades of Precision Cosmology

Speaker

Elia Stefano Battistelli

11:50–12:25 **Next Frontiers in Cosmology with CMB Spectral Distortions**

Speaker

Jens Chluba

12:25–13:00 **The Kinematic Sunyaev-Zeldovich Effect as a Test of Gravity**

Speaker

Patricio Gallardo

13:00–13:35

The LSST era: opportunities, challenges, and simulations for AGN science

Speaker

Angela Bongiorno

13:35

15:00

Sunyaev-Zeldovich effect and cosmology

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

15:00–15:35 **Fractal properties of the Cosmic Web**

Speaker

Jaan Einasto

15:35–16:10 **MOND: An alternative to particle dark matter**

Speaker

Federico Lelli

16:10–16:30 Little Red Dots as Sites for Cosmic Prebiotic Chemistry**Speaker**

Yu Wang

16:30–16:45 Coffee break**16:45–17:00****Coherence-Regulated Structure Formation in Kalpa-Self-Regulating Cosmology (Kalpa-SRC)****Speaker**

Manasse Mbonye

17:00–17:15 The Sunyaev-Zel'dovich (SZ) effect in a gravitational field**Speaker**

Andrew KOSHELKIN

17:15–17:30**Spacetime foam correlation renders the cosmological constant (dark energy)****Speaker**

Prof. She-Sheng Xue

17:30–17:45 Constraining Inflation Models with Spinning Voids**Speaker**

GeonWoo Kang

17:45–18:00**Indications of relevant quantum corrections for cosmological parameters from unimodular quantum cosmology****Speaker**

Dr Natascha Riahi

18:00