

**Session Program**

**13-17 Jul 2026**

**The Sixth Zeldovich meeting**  
***Black holes and Penrose process***

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

# Thursday 16 July

09:00

## Black holes and Penrose process

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

09:00–09:35 **Black Hole–Halo Mass Relation from UNIONS Weak Lensing**

**Speaker**

Wentao Luo

09:35–10:10 **Black hole irreducible mass increase by particle accretion**

**Speaker**

Shurui Zhang

10:10–10:45

**Energy extraction from rotating black holes: electromagnetic and radiative Penrose processes**

**Speaker**

Arman Tursunov

10:45–11:15 **Coffee break**

11:15–11:50 **Near-horizon Polarization as a Diagnostic of Black Hole Spacetime**

**Speaker**

Bin Chen

11:50–12:25 **Black holes in alternative theories of gravity**

**Speaker**

Jutta Kunz

12:25–13:00 **Influence of a warm plasma on gravitational lensing by black holes**

**Speaker**

Volker Perlick

13:00