

## **Session Program**

**25-29 May 2026**



## **EREP 2026, Spanish & Portuguese Relativity Meeting**

### ***20' Contribution***

Murcia, Spain, Universidad de Murcia, Campus de la Merced  
Parainfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

# Monday 25 May

11:40

## 20' Contribution: Diego Sáez-Chillón Gómez

**Session** |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

11:40–12:00

**Compact objects physics in the realm of multi-messenger astronomy**

**Speaker**

Prof. Sáez-Chillón Gómez, Diego

12:00

12:00

## 20' Contribution: JOAO Santos

**Session** |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:00–12:20

**Gravitational Lensing of Fast Radio Bursts as a Probe of Primordial Black Holes Abundance: a forecast for radio telescopes**

**Speaker**

Prof. Santos, JOAO

12:20

12:20

## 20' Contribution: Manuel Del Piano

**Session** |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:20–12:40

**Scalar wig back reacting onto a Schwarzschild black hole**

**Speaker**

Del Piano, Manuel

12:40

12:40

## 20' Contribution: Vojtech Pravda

**Session** |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:40–13:00

**Charged black holes in quadratic gravity**

**Speaker**

Pravda, Vojtech

13:00

## Tuesday 26 May

11:40

### 20' Contribution: Ángel Murcia

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

11:40–12:00

**Regular black holes in four dimensions: construction and formation**

**Speaker**

Murcia, Ángel

12:00

12:00

### 20' Contribution: Ernesto Contreras

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:00–12:20

**When regular black holes grow hair: scalarization beyond singular spacetimes**

**Speaker**

Contreras, Ernesto

12:20

12:20

### 20' Contribution: Tomáš Málek

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:20–12:40

**Quasi-topological gravity beyond spherical symmetry: Taub-NUT, NHEK, and swirling universe**

**Speaker**

Málek, Tomáš

12:40

12:40

### 20' Contribution: Cristóbal Laporte

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:40–13:00

**Macroscopic Microscopic Effects from Quantum Gravity**

**Speaker**

Laporte, Cristóbal

13:00

17:00

### 20' Contribution: Filipe Moura

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

17:00–17:20

**Quasinormal modes, greybody factors and shadow of charged accelerating black holes**

**Speaker**

Moura, Filipe

17:20

17:20

### 20' Contribution: Francisco Silva

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

17:20–17:40

**Accelerating and Superaccelerating Black Holes, Quasinormal Mode Families, and the Stability of the Cauchy Horizon**

**Speaker**

Silva, Francisco

17:40

17:40

**20' Contribution: Eneko Aranguren**

**Session** |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

17:40–18:00

**Existence and uniqueness of static and spherically symmetric anisotropic fluid stars in cosmological backgrounds**

**Speaker**

Aranguren, Eneko

18:00

## Wednesday 27 May

11:40

### 20' Contribution: David Pereñíguez Rodríguez

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

11:40–12:00

#### Nonlinear QNMs and Ringdown Isospectrality from Penrose Limits

**Speaker**

Pereñíguez Rodríguez, David

12:00

12:00

### 20' Contribution: Pratik Wagle

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:00–12:20

#### The sound of broken symmetries

**Speaker**

Wagle, Pratik

12:20

12:20

### 20' Contribution: Marta Cocco

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:20–12:40

#### Tidal perturbations of Kerr black holes and implications for extreme-mass-ratio inspirals

**Speaker**

Cocco, Marta

12:40

12:40

### 20' Contribution: Chiranjeeb Singha

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:40–13:00

#### Tidal Love Numbers of Black Holes

**Speaker**

Singha, Chiranjeeb

13:00

17:00

### 20' Contribution: Pantelis Pnigouras

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

17:00–17:20

#### Asteroseismology with binary neutron stars

**Speaker**

Pnigouras, Pantelis

17:20

17:20

### 20' Contribution: Leyla Ogurol

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

17:20–17:40

#### Perturbative Analytical Construction of Bowen-York Initial Data for Binary Black

17:40  
17:40  
18:00

**Speaker**  
Ogurol, Leyla

**20' Contribution: Zakaria Belkhadria**  
**Session** |  
**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

17:40-18:00

**New Aspects of spontaneous scalarization of black holes beyond General relativity**  
**Speaker**  
Belkhadria, Zakaria

## Thursday 28 May

11:40

### 20' Contribution: Lucía Castells

**Session** |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

11:40–12:00

#### **Fluctuation-induced gravitational waves in a non-conformal strongly coupled plasma**

**Speaker**

Castells, Lucía

12:00

12:00

### 20' Contribution: Ruchika Ruchika

**Session** |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:00–12:20

#### **2D BAO vs 3D BAO: Hints for new physics?**

**Speaker**

Ruchika, Ruchika

12:20

12:20

### 20' Contribution: Marcello Musso

**Session** |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:20–12:40

#### **The Minimum Energy Principle - Linking protohalo shapes to infall anisotropy**

**Speaker**

Musso, Marcello

12:40

12:40

### 20' Contribution: Adrian del Rio

**Session** |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:40–13:00

#### **Electromagnetic duality anomaly in waveguides: a non-inertial analogue of gravitational chiral effects.**

**Speaker**

del Rio, Adrian

13:00

## Friday 29 May

11:40

### 20' Contribution: Maciej Ossowski

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

11:40–12:00

#### Isolated horizons: Extremal and Petrov type D

**Speaker**

Ossowski, Maciej

12:00

12:00

### 20' Contribution: Daniel Peñalver Mares

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:00–12:20

#### Acoustic Black Holes in BECs with an Extended Sonic Region

**Speaker**

Mr Peñalver Mares, Daniel

12:20

12:20

### 20' Contribution: Francisco Javier Marañón González

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:20–12:40

#### A new approach for semiclassical backreaction in evaporating black holes

**Speaker**

Marañón González, Francisco Javier

12:40

12:40

### 20' Contribution: Marco de Cesare

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

12:40–13:00

#### Scalar field scattering from a Schwarzschild-de Sitter black hole

**Speaker**

de Cesare, Marco

13:00

17:00

### 20' Contribution: Hryhorii Ovcharenko

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

17:00–17:20

#### A new class of rotating charged black holes in the external Bertotti-Robinson (electro)magnetic field

**Speaker**

Ovcharenko, Hryhorii

17:20

17:20

### 20' Contribution: Giacomo Giorgi

Session |

**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

17:20–17:40

#### Aristotelian geometry and the conformal approach to coupling matter

17:40  
17:40  
18:00

**Speaker**  
Giorgi, Giacomo

**20' Contribution: Igor Kanatchikov**  
**Session** |  
**Location:** Murcia, Spain, Universidad de Murcia, Campus de la Merced, Paraninfo Campus de la Merced C. Santo Cristo 1 30001 Murcia Spain

17:40-18:00

**Non-Keplerian Galaxy Rotation Curves as a Testing Ground for Precanonical Quantum Gravity**  
**Speaker**  
Kanatchikov, I