

Session Program

Oct 21 – 23, 2026



VAST 2026: From Vacuum Stability to Gravitational Waves

Phenomenology Of Phase Transitions

Real Jardín Botánico, CSIC.
Plaza de Murillo, 2. Madrid E-28014

Wed, October 21

3:00 PM

Phenomenology Of Phase Transitions

Session | **Location:** Real Jardín Botánico, CSIC., Plaza de Murillo, 2. Madrid E-28014

3:00 – 3:20 PM **Non-conformal obstructions to bubble expansion**

Speaker

Pedro Tarancón-Álvarez

3:20 – 3:40 PM **Particle Production from Bubble Collisions**

Speaker

Anish Ghoshal

3:40 – 4:00 PM **Can the universe be matter-dominated after a supercooled first-order phase transition?**

Speaker

Henda Mansour

4:00 – 4:20 PM **Standard Model Effective Field Theory and Oscillons**

Speaker

Andrzej Wereszczyński

4:20 PM

Thu, October 22

3:00 PM

Phenomenology Of Phase Transitions

Session | Location: Real Jardín Botánico, CSIC., Plaza de Murillo, 2. Madrid E-28014

3:00 – 3:20 PM

Filtered dark matter from strong first order phase transitions

Speaker

Satumaaria Sukuvaara

3:20 – 3:40 PM

PBH Dark Matter and GWs from Axion Inflation

Speaker

Nadir Ijaz

3:40 – 4:00 PM

When the HL-LHC is blind, LISA is deaf (but not vice versa): 2HDM collider-cosmology synergies

Speaker

Carlo Tasillo

4:00 – 4:20 PM

Gravitational Waves from Critical Dynamics

Speaker

Oliver Gould

4:20 PM

Fri, October 23

12:25 PM

Phenomenology Of Phase Transitions

Session | Location: Real Jardín Botánico, CSIC., Plaza de Murillo, 2. Madrid E-28014

12:25 - 12:45 PM Beyond Nambu-Goto: Towards an EFT of Cosmic Strings and Their Massive Excitations

Speaker
Alberto García Martín-Caro

12:45 - 1:05 PM The Slingshot Effect: A Solution to the Magnetic Monopole Problem

Speaker
Maximilian Bachmaier

1:05 PM