

Session Program

Jul 12 - 16, 2021

**Gravitational Wave Probes of Physics
Beyond Standard Model**

Phase Transitions

Tue, July 13

2:00 PM

Phase Transitions: Phase Transitions

Session | Location: Online | Convener: Kai Schmitz

2:00 – 2:40 PM **Generation of GWs from freely-decaying kinetic turbulence**

Speaker

Dr Chiara Caprini

2:40 – 3:05 PM

Towards an all-orders calculation of the electroweak bubble wall velocity

Speaker

Jessica Turner

3:05 – 3:30 PM

Cosmological bubble friction in local equilibrium

Speaker

Carlos Tamarit

3:30 – 3:55 PM

Reliable predictions for cosmological phase transitions

Speaker

Dr Oliver Gould

3:55 PM

3:55 PM

Phase Transitions: Break

Session | Location: Online

4:10 PM

4:10 PM

Phase Transitions: Phase Transitions

Session | Location: Online | Convener: Marieke Postma

4:10 – 4:50 PM

From dimensional reduction to droplets: understanding strong first-order phase transitions

Speaker

David Weir

4:50 – 5:15 PM

Gravitational waves from bubble collisions in first order phase transitions

Speaker

Marek Lewicki

5:15 – 5:40 PM

Model-independent energy budget of gravitational waves from a cosmological first-order phase transition

Speaker

Jorinde van de Vis

5:40 – 6:05 PM

Turbulent production of gravitational radiation from cosmological phase transitions

6:05 PM
6:05 PM
6:10 PM
6:10 PM
7:00 PM

Speaker
Alberto Roper Pol

Phase Transitions: Break
Session | **Location:** Online

Phase Transitions: Panel Discussion
Session | **Location:** Online | **Convener:** Graham White