

## **Session Program**

**2-7 Jun 2024**

# **Exploring the Dark Side of the Universe Tools 2024 - 5th World Summit**

## ***Gravitation 1***

Île de Noirmoutier, France  
'Village des Quatre Vents' L'Épine

Monday 3 June

16:00

Gravitation 1: Gravitation Theory

Session | Location: Île de Noirmoutier, France, "Village des Quatre Vents" L'Épine | Convener: Pierre Petroff

16:00–16:25

Effective Field Theories of (massive) Gravity

Speaker

Claudia de Rham

16:25–16:50

How to Define Scattering Amplitudes on a Causal Set

Speaker

Stav Zalel

16:50–17:05

Measurement of gravitationally induced phase shift on entangled photons

Speaker

Eleonora Polini

17:30