

Session Program

18-22 Jun 2018



PACTS 2018: Particle, Astroparticle and Cosmology Tallinn Symposium

Higher derivatives Gravity and Ghosts

Estonian Academy of Sciences, Conference Hall
Kohtu 6, Tallinn, Estonia

Friday 22 June

08:30

Higher derivatives Gravity and Ghosts: Part 1

Session | **Location:** Estonian Academy of Sciences, Conference Hall, Kohtu 6, Tallinn, Estonia

09:00–09:25

The Case against Ghosts in Fundamental Theory

Speaker

Prof. Richard Woodard

09:25–09:50

From fakeons and Lee-Wick models to quantum gravity

Speaker

Prof. Damiano Anselmi

09:50–10:15

Classical and quantum dynamics of higher-derivative systems

Speaker

Prof. Andrei Smilga

10:15

10:40

Higher derivatives Gravity and Ghosts: Part 2

Session | **Location:** Estonian Academy of Sciences, Conference Hall, Kohtu 6, Tallinn, Estonia

10:40–11:05

Recent progress in fighting ghosts in quantum gravity

Speaker

Prof. Ilya Shapiro

11:05–11:30

Quadratic Gravity

Speaker

Dr Salvio Alberto

11:30