

# Cosmology and High Energy Physics III

Laboratoire Charles Coulomb

15 December 2017

**10<sup>00</sup> – 11<sup>00</sup>** : Leandros Perivolaropoulos (Ioannina U.)

*Hints for Modified Gravity in the Cosmos and in the Lab?*

**11<sup>00</sup> – 12<sup>00</sup>** : Dario Benedetti (LPT)

*Asymptotic safety: a status report*

**12<sup>00</sup> – 14<sup>00</sup>** : Lunch

**14<sup>00</sup> – 15<sup>00</sup>** : Arman Shafieloo (KASI)

*Beyond the concordance model of cosmology*

**15<sup>00</sup> – 16<sup>00</sup>** : Patrick Peter (IAP)

*Ghost-induced instability in de Sitter background*

**16<sup>00</sup> – 16<sup>30</sup>** : Coffee break

**16<sup>30</sup> – 17<sup>30</sup>** : Sergey Solodukhin (LMPT)

*The quantum fate of black hole horizons*

**17<sup>30</sup> – 18<sup>30</sup>** : Philippe Brax (IPhT)

*R<sup>2</sup> dark energy in the laboratory*