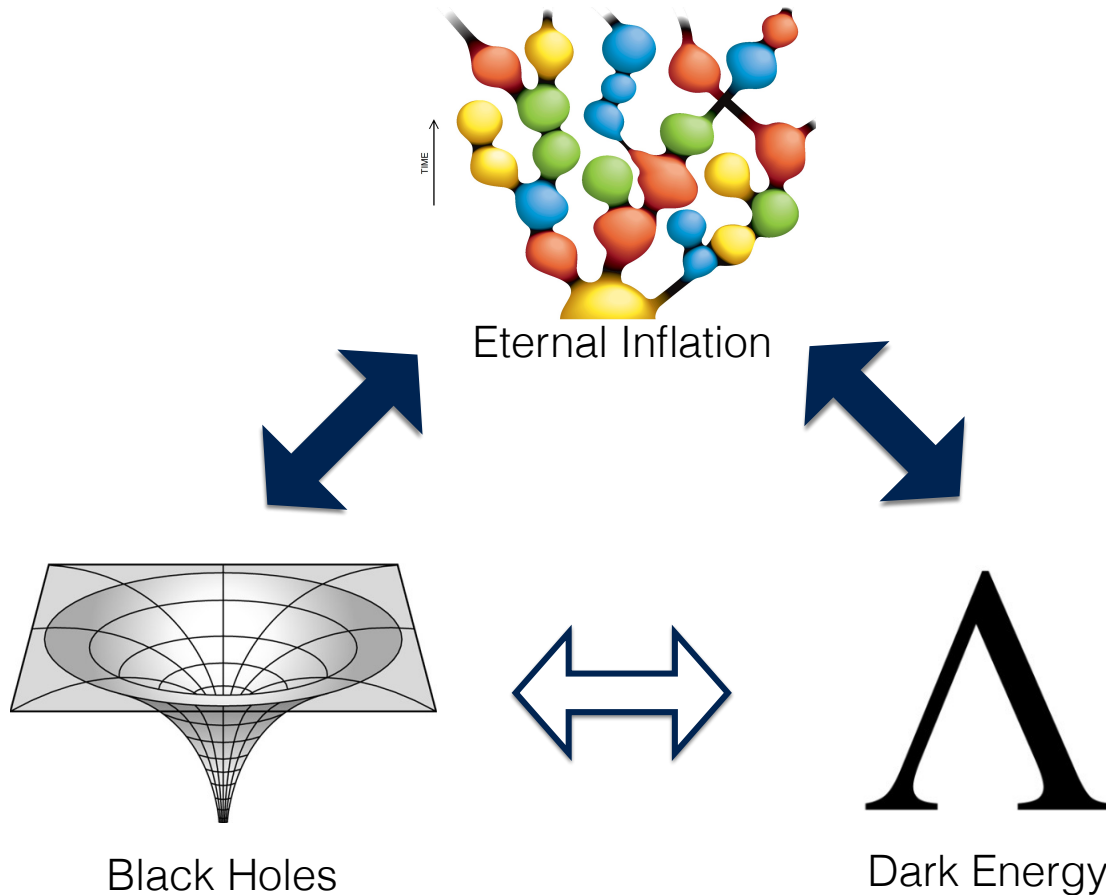


FANCY Workshop 2016

Field theory Anthropics and Naturalness in Cosmology



CP³-Origins, October 25 - October 28, 2016

Speakers

Cliff Burgess (Perimeter Institute & McMaster University), Paolo Creminelli (ICTP, Trieste), Guido D'Amico (CERN), Ulf Danielsson (Uppsala University), Gia Dvali (LMU, Munich and New York University), Ben Freivogel (University of Amsterdam), Ricardo Z. Ferreira (University of Barcelona), Jaume Garriga (University of Barcelona), Steve Giddings (University of California, Santa Barbara), Steen Hannestad (Aarhus U.), Fawad Hassan (Stockholm University), Arthur Hebecker (University of Heidelberg), Nemanja Kaloper (University of California, Davis), Alex Kehagias (CERN and NTUA, Athens), Esko Keski-Vakkuri (University of Helsinki), Matt Kleban (New York University), Albion Lawrence (Brandeis University), Alberto Nicolis (Columbia University), Antonio Padilla (University of Nottingham), Federico Piazza (CPT, Marseille), McCullen Sandora (Tuft University), Filippo Vernizzi (CEA, Saclay), Alexander Westphal (DESY, Hamburg)

Organizer

Martin S. Sloth (CP³-Origins, SDU)
cp3-origins.dk/fancy

FANCY 2016

Odense, October 25 - 28, 2016

| | Tuesday | Wednesday | Thursday | Friday |
|-------|--|---|--|--|
| | M. S. Sloth | C. Burgess | J. Garriga | P. Creminelli |
| 8:30 | Bus from Gand hotel to CP3-Origins | | | |
| 8:55 | <i>Welcome</i> | | | |
| 9:00 | Paolo Creminelli <i>Relaxing the Cosmological Constant</i> | Antonio Padilla <i>The cosmological constant problem and its sequester</i> | Martin S. Sloth <i>FANCY PIMPs</i> | Steen Hannestad <i>neutrinos in cosmology – current status and future prospects</i> |
| 9:45 | Coffee Break | | | |
| 10:15 | Jaume Garriga <i>Primordial black hole and wormhole formation by domain walls</i> | Alberto Nicolis <i>On tensor modes in solid inflation</i> | Matthew Kleban <i>Inflation and the cosmological constant</i> | Guido D'Amico <i>Interacting DM/DE: Dark Monodromies</i> |
| 11:00 | Short discussion | | | |
| 11:15 | Alex Kehagias <i>Scanning of the SUSY breaking scale and the gravitino mass in SUGRA</i> | Filippo Vernizzi <i>Effective theory of Dark Energy</i> | Albion Lawrence <i>The effective field theory of axion monodromy inflation</i> | Ben Freivogel <i>All Vacua Must Die</i> |
| 12:00 | Lunch | | | |
| | A. Riotto | Alex Kehagias | S. Hannestad | A. Westphal |
| 13:30 | Esko Keski-Vakkuri <i>Entanglement fluctuations</i> | Fawad Hassan <i>The local structure of spacetime in bimetric theories</i> | Cliff Burgess <i>Inflation Outside the Box</i> | Federico Piazza <i>Phenomenology of (a very unnatural) acceleration</i> |
| 14:15 | Short discussion | | | |
| 14:30 | Ricardo Z. Ferreira <i>Asymptotic Symmetries in de Sitter: the Breakdown of Perturbativity</i> | Ulf Danielsson <i>Surprises in the landscape</i> | Alexander Westphal <i>Runaway Relaxion Monodromy</i> | Gia Dvali <i>Black hole hair: quantum and classical</i> |
| 15:15 | Coffee Break | Social program | Coffee Break | |
| 15:45 | Steve Giddings <i>Soft quantum structure of black holes: postulates and observational prospects</i> | | McCullen Sandora <i>Asymptotic Symmetries in Inflation: Nonperturbative Description of IR Modes</i> | Final discussions |
| 16:30 | | | | |
| 17:00 | Bus from CP3 to Grand | | Bus from CP3-Origins to Grand hotel | |

All talks are in the CP3 seminar room.