

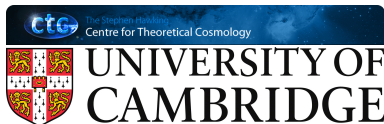
Welcome: Quantum de Sitter Workshop

Cambridge University DAMTP

17th April 2023



Gravity
Theory
Trust



The workshop

The aim of this workshop is two-fold:

- 1 Make up for the loss of face-to-face contact during the pandemic
- 2 Bring Quantum dS people together.

What do we mean by Quantum de Sitter universe?

- Static patch holography
- dS/CFT
- dS operators algebra
- dS horizon entropy
- $T\bar{T}$ deformations
- Cosmological Bootstrap
- Quantum dS Hilbert space
- dS in lower dimensions
- dS in string theory
- and many others

We have 23 talks and we are over 75 participants!

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We have 23 talks and we are over 75 participants!(around 0.000001 of people living in Quantum de Sitter)

The people behind

Organising committee:

- Prof Aron Wall (Cambridge)
- Dr Manus Visser (Cambridge)
- Santiago Agüí Salcedo (Cambridge)
- Ayngaran Thavanesan (Cambridge)

Special thanks to James Parke and the facilities team at the CMS for helping setting up the workshop.

Plan for the workshop

Schedule:

- Start time: 10:00
- 1st coffee break: 11:00-11:30
- Lunch: 12:30-14:30
- 2nd coffee break: 15:30-16:00
- Finish: 18:00

Gong show:

- 4+1 minutes per person
- Wednesday 19th of April
- start time: 17:00
- Finish: 18:00

10:00	Welcome: Registration
	AR2, Department of Applied Mathematics and Theoretical Physics
	Microscopics of de Sitter entropy from precision holography
11:00	AR2, Department of Applied Mathematics and Theoretical Physics
	Coffee Break
	AR2, Department of Applied Mathematics and Theoretical Physics
	Fuchsian surfaces in quantum dS
12:00	AR2, Department of Applied Mathematics and Theoretical Physics
	Lunch
13:00	
14:00	
15:00	AR2, Department of Applied Mathematics and Theoretical Physics
	The matter with TT-bar + Lambda_2
16:00	AR2, Department of Applied Mathematics and Theoretical Physics
	Coffee
	AR2, Department of Applied Mathematics and Theoretical Physics
	de Sitter: Swampland, wave functions and wormholes
17:00	AR2, Department of Applied Mathematics and Theoretical Physics
	Talk
	AR2, Department of Applied Mathematics and Theoretical Physics
	Discussion: Discussion
18:00	AR2, Department of Applied Mathematics and Theoretical Physics

Lunch time:

- Monday and Friday: Golden House
- Wednesday: empanadas
- Tuesday and Thursday: free

Dinner:

- Monday, Tuesday, Thursday and Friday: free
- Wednesday: Banquet
Conference dinner at St John's starting at 19:00.
More details from Ayngaran.

