

SEMINAR



Dr Tarek Anous
(Queen Mary University of London, UK)

Date:

Thursday, 22 January 2026

Time:

13h15-14h15 SAST

Venues:

- P213, Physics Building, East Campus, WITS
- Online

Who should attend?

All are welcome!

Enquiries:

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A toy model for de Sitter QFT

ABSTRACT:

In this seminar I will review some peculiarities that arise in de Sitter invariant QFTs. As an avenue towards addressing these issues, I will introduce a particular interacting quantum mechanical model whose large N limit may shed some insights, if we manage to solve it.

Tarek Anous is an Egyptian-American theoretical physicist and Senior Lecturer in Mathematical Sciences at Queen Mary University of London, where he also serves as a UKRI Future Leaders Fellow. He completed his undergraduate degree in Applied and Engineering Physics at Cornell University and earned his PhD in string theory from Harvard University, followed by postdoctoral research at institutions including MIT and the University of Amsterdam. His work focuses on fundamental questions in gravity, quantum field theory and spacetime, and he leads a research group dedicated to exploring these deep theoretical problems.

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