

## SEMINAR



### Prof Xinan Zhou

(Shanghai Technical University and Kavli Institute for Theoretical Sciences, University of Chinese Academy of Sciences, China)

#### Date:

Tuesday, 20 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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# Bootstrap Program for Holographic Defects

#### ABSTRACT:

I will give an overview of recent progress of using bootstrap techniques to study holographic defects of various dimensions. In particular, I will discuss bootstrap methods for computing defect correlators at tree and loop levels, the flat-space limit of defect correlators, and string theory corrections. I will showcase these developments in a few nice examples, and also comment on the connections with related lines of research.

**Xinan Zhou** is a theoretical physicist and Tenure-track Assistant Professor at the Kavli Institute for Theoretical Sciences, University of Chinese Academy of Sciences (UCAS). His research interests include conformal field theory, AdS/CFT, and scattering amplitudes. He earned his PhD in 2018 from Stony Brook University and held postdoctoral fellowships at the Princeton Center for Theoretical Science before joining UCAS in 2021. He received the 2023 ICTP Prize for his contributions to high-energy theoretical physics.

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