

# LITP Workshop on Quantum Black Holes

## **Welcome Address**

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LITP at the University of Michigan

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## Brief Welcome to the Workshop

- ▶ First of all: have an **inspiring** and **productive** workshop.

Research presentations, discussions, and collaboration.

- ▶ Enjoy **Ann Arbor**: campus and town in the fall.

- ▶ In addition to research: two topics for discussion.

# The LITP Network

- ▶ The Leinweber foundation envisions a **collaborative network**.  
It is not **obvious** how to best make the collaboration effective.

- ▶ The broad question: what is the best way to make **research** benefit from the LITP network?

- ▶ One possible element: workshops in specific subareas.

An **annual** LITP workshop on **quantum black holes**?

# Theoretical Physics in the Age of AI

- ▶ **Mathematics** is at the forefront: many and strong claims.

**Frustrations:** how are they found? Any cheating and theft?

- ▶ Theoretical physics is being transformed as well.

AI can accelerate physics research, but it is also frustrating.

- ▶ The **opportunity**: can we take advantage?

The **threat**: can humans continue adding value?