

4th QuantHEP @ Queen Mary University of London

LONDON, JULY 13-16, 2026



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Conference series started in 2023 as part of the QuantHEP project

1th edition Bari, Italy, 25-27 September 2023

2th edition LMU Munich, Germany, 2-5 September 2024

3th edition Berkeley, USA, 29 September-2 October 2025

4th edition London, UK, 13-16 July 2026

Application for the 5th edition is now open at: **quanthep.org**

High-Energy Physics Challenges

Quantum Algorithms



Quantum Technologies

Quantum Information Science

- 27 Invited talks
- 13 Contributed talks
- 21 Posters
- 2 Quantum computing companies

Main topics:

Quantum simulation of lattice gauge theories; Quantum Algorithms for High-Energy Physics; NISQ quantum hardware demonstrations; Real-Time Dynamics and Thermalization; Quantum computing for Quantum Gravity; Quantum computing for neutrinos; Quantum Many-Body Physics

This year participants



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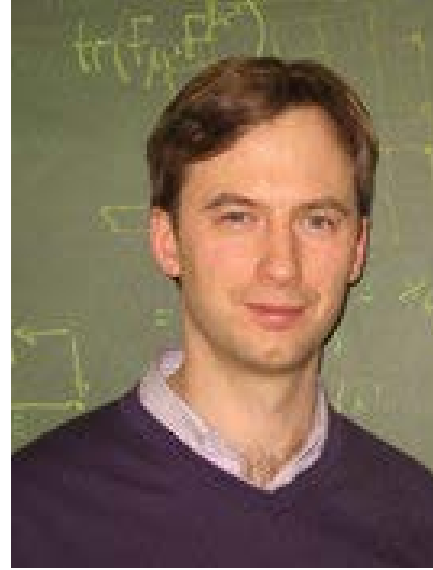
logistics: Organizers



Debasish Banerjee
University of Southampton



Masanori Hanada
Queen Mary
University of London



Georg Bergner
University of Jena



Emanuele Mendicelli
University of Liverpool



Jinzhao Sun
Queen Mary
University of London

Look for a yellow name badge



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code of conduct:

The QuantHEP organizers are committed to providing a safe, inclusive, respectful, productive, and enjoyable environment for all participants. We encourage open and constructive discussions grounded in professionalism and mutual respect. Every attendee shares responsibility for fostering a welcoming atmosphere that values diversity and treats all individuals with courtesy and dignity. Harassment of any kind will not be tolerated. Throughout the entire duration of the conference, and during all related professional interactions with colleagues, you are expected to understand and adhere to the following guidelines:

Expected Conduct:

- Maintain professionalism in all interactions, whether in person at the conference, during social events, or online, including virtual and social media spaces.
- Respect others by avoiding offensive comments or behaviors, including harassment, intimidation, or exclusionary remarks based on gender identity, sexual orientation, disability, physical appearance, race, nationality, religion, or any other personal characteristic.
- Engage in constructive scientific discussions, avoiding personal attacks, insults, or belittling remarks. Critique ideas professionally, focusing on the work rather than the individual.
- Respect privacy when sharing content. If recording online talks or posting speaker photos on social media, obtain permission beforehand. Content from presentations may be shared unless the speaker has requested otherwise.

Be nice with other people!

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- July 13th -- 15th

Talks: Maths Lecture Theatre

Coffee Breaks & Lunches: Maths Foyer

- July 16th

Talks: Drapers Lecture Theatre

Coffee Breaks: outside Drapers LT

Lunches: Math Social Hub

logistics: coffee & lunches



4th QuantHEP @ Queen Mary University of London **logistics: Poster session**
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July 14th 18:00 – 19:30

Mathematical Sciences Social Hub (Room MB-B11)



21 posters

Refreshments will be served!

We thank  **QUANTINUUM** for sponsoring the poster session



- Quantum Report MDPI special issue on the conference
- White paper summarizing the conference content
- You are strongly encouraged to submit work to the Special Issue
- 20% discount per participant per manuscript.
- Participants can negotiate additional discounts or a full cost waiver!

We thank  ***quantum reports***
an Open Access Journal by MDPI for generously sponsoring the coffee breaks

Room for discussion

- July 13th -- 15th

Room: MB-101

It is open and free to use, no need to book it!

The Camel



The Pam Tree



Morgan Arms



The Coborn

The Cherry

Queen Mary University of London

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