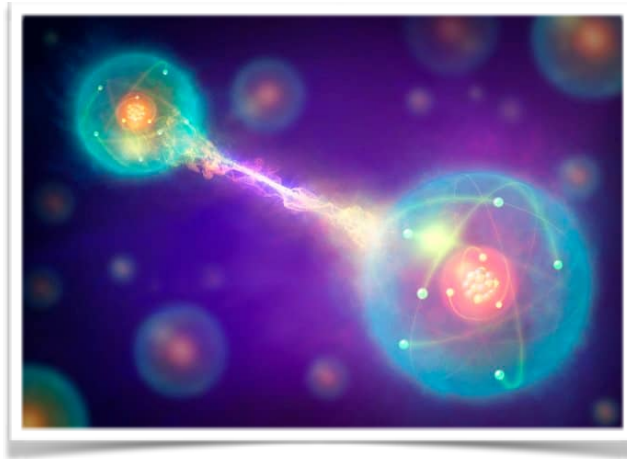


# Torino-Oxford informal meeting on *Quantum entanglement and gravity*

Dept. of Physics, Torino University, Aula Fubini, 5th Floor  
via P. Giuria 1, Torino, Italy  
July 15th (h 14-18), July 16th (h 9-13), 2024



REGGE CENTER  
FOR ALGEBRA, GEOMETRY AND THEORETICAL PHYSICS

*mostly blackboard discussions*

## **PROGRAM:**

The meeting will gather small groups of researchers, from Oxford University, Torino University, INFN, INRIM and East Piedmont University (UPO), for an informal exchange of ideas on topics of common interest, including

- gravity mediated entanglement, and proposed experiments
- quantum histories, space and time entanglement
- quantum information in quantum black holes
- signatures of noncommutative spacetime
- quantum metrology

## **Participants: (partial list)**

Paolo Aschieri (UPO and INFN, Torino)  
Alberto Carlini (Physics of complex systems, Torino U.)  
Leonardo Castellani (UPO and INFN, Torino)  
Anna Ceresole (INFN, Torino)  
Marco Genovese (INRIM)  
Pietro Antonio Grassi (UPO and INFN, Torino)

Chiara Marletto (Oxford U.)  
Vlatko Vedral (Oxford U.)  
Students:  
Anna Gabetti (PoliTO)  
Samuel Hagh Shenas  
Giuseppe Di Pietra  
Simone Proglia