



Venerdì 1° Luglio
Aula Magna, ore 14:30

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[Sending a photon backward in time](#)

Ever since Einstein, physicists have argued about whether time travel is consistent with the laws of physics, and, if so, how it might be accomplished. This talk presents a new theory of time travel based on quantum teleportation. Unlike previous theories, the theory can be tested experimentally. I report on an experimental realization of the 'grandfather paradox': we send a photon a few billionths of a second backwards in time and have it try to 'kill' its previous self.