

Quantum Reference frame and particle mixing

Thursday 10 July 2025 19:15 (15 minutes)

We examine the need for, and the emergence of, quantum reference frames in the context of defining a rest frame for mixed particles. We explore the related notion of frame-dependent entanglement and discuss its potential impact on measurements involving mixed mesons and neutrinos

Primary author: CAPOLUPO, Antonio (University of Salerno and INFN)

Presenter: CAPOLUPO, Antonio (University of Salerno and INFN)

Session Classification: Poster Session 4

Track Classification: S10 –Quantum Physics, Information and Communication