



Contribution ID: 32

Type: **Poster**

On the steady and asymptotic subspaces of open quantum systems

Wednesday, 25 May 2022 16:10 (20 minutes)

The evolution of an open quantum system is described by a quantum channel, i.e. a completely positive trace-preserving map. Under the Markovian approximation, the continuous dynamics of an open quantum system is given by a semigroup with a Gorini-Kossakowski-Lindblad-Sudarshan (GKLS) generator. In this poster we will discuss several constraints for the number of steady and asymptotic states of quantum channels and Markovian continuous evolutions. Joint work with Paolo Facchi.

Primary author: AMATO, DANIELE (University of Bari)

Session Classification: Poster