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Guarantees on the quantum network structure of experimental implementations

One of the goals within the quantum information community is the development of robust and reliable quantum networks. On those networks we will be able to perform quantum communication protocols and quantum computations. As quantum network technology becomes commonplace, the need for certification tools will arise to answer questions regarding the properties of the network.
Our goal is to show how it is possible to identify that certain correlations cannot be generated in a given quantum network, and apply the methods in the characterization of data from anonymous quantum conference key agreement experiments.

Primary authors: POZAS-KERSTJENS, Alejandro (Institute of Mathematical Sciences (ICMAT-CSIC)); Dr ULIBARRENA, Andrés (Heriot-Watt University)

Presenter: Dr ULIBARRENA, Andrés (Heriot-Watt University)

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