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The robustness of the association of GW170817 and GRB 170817A

Monday, 5 July 2021 16:30 (25 minutes)

The joint observation of GW170817 and GRB 170817A has provided the long sought for conclusive evidence for the connection between binary neutron star mergers and short-hard gamma-ray bursts. Following an overview of the observation of GW170817 by the LIGO-Virgo Collaboration, and of the observations of GRB 170817A by Fermi-GBM and INTEGRAL SPI-ACS, this talk reviews the unambiguous association of GW170817 and GRB 170817A both within a Frequentist approach and a Bayesian approach.

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Session Classification: GRB 170817A and Binary Models

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