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Gamma-Ray Burst Jet Structure Modelling

Friday 15 November 2019 11:40 (10 minutes)

The angular distribution of energy from gamma-ray bursts is unknown, but it is believed there could be a common structure among all these astrophysical events. I combine gravitational wave and electromagnetic data to perform model comparison between different existing jet structure models and infer model parameters. I also perform a non-parametric approach to determine the structure using Gaussian processes.

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Session Classification: Talks