

Detection for Core-collapse Supernova and Fast Data Preprocessing

Wednesday, 5 October 2022 16:30 (5 minutes)

We want to use the WaveNet model for the detection of the gravitational wave signals from Core-collapse supernovas. The model is trained by the 3-D simulated core-collapse supernova waveforms injected into the background of Advanced LIGO detectors. The goal is to increase the efficiency of the model training and the hyperparameter tuning.

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Session Classification: Contributed Talks