

On the origin of the gravitational wave sources

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Recent years have brought us a great development in the gravitational wave astronomy with many new sources discovered by LIGO and Virgo. I will summarize the properties of the objects discovered and listed in the recent GWTC-3 catalog, and provide a summary of the models of their origin. Each of these models has specific predictions. I will review these predictions and confront them with the properties of the observed gravitational wave sources.

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