

## Searching origin of binary black hole with gravitational wave observation

*Tuesday, 7 November 2023 17:00 (1 hour)*

In 2015, gravitational wave was first detected and it was from binary black hole. After this event, many gravitational wave events from binary black hole were detected. However, including first detected gravitational event, origin of binary black hole observed by gravitational wave is not solved. To solve this, first we made mass distribution of 1year gravitational wave observation and mass distribution of primordial black hole. In this poster presentation, I will present this result.

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**Session Classification:** Poster Session