



Contribution ID: 259

Type: parallel talk

## Stochastic gravitational waves by Hawking radiation from primordial black holes

Monday, 8 May 2017 15:00 (15 minutes)

Primordial black holes evaporate by Hawking radiation, leaving a stochastic gravitational-wave background today. Its spectrum is affected by the formation mass, angular momentum and initial abundance. In particular, the particle emission is greatly enhanced at high frequencies for fast-rotating black holes. In this work, we calculated this spectrum for a wide range of these parameters. Besides, we used the latest constraints on the abundance and found the upper bound on today's spectral density of gravitational waves.

### Summary

A stochastic gravitational-wave background from primordial black holes is studied comprehensively.

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**Session Classification:** Cosmology & Astrophysics