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## Seminar

# Gravitational wave production during inflation (in English)

SPEAKER : Dr. Tomohiro Fujita  
(Department of Physics, Kyoto University)

DATE : June 15th (Thu.) 15:30-

PLACE : Kenkyu Honkan 1F, Meeting Room 1

It is well known that the amplitude of the gravitational wave (GW) produced during inflation is proportional to the energy scale of inflation. However, it is true only if (i) GW is described by Einstein theory (GR) and (ii) the GWs from vacuum fluctuation is dominant. I will discuss the cases where the above two conditions are not satisfied. In particular, I will explain the new model in which the axion-SU(2) coupled system generates GW during inflation and its observational consequence.



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高エネルギー加速器研究機構 〒305-0801 茨城県つくば市大穂1-1

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