

## **Model discrimination in Gravitational Waves from Phase Transitions**

*mercredi 13 juin 2018 15:45 (15 minutes)*

Besides the EWPT, various dark phase transitions could give an observable broken power-law spectrum at LISA. In this talk I will consider the opportunities for model discrimination, by examining the thermal parameters predicted in classes of models. These thermal parameters are functions of the parameters in the scalar potential, the quantum numbers of the scalar, and the couplings to fermions. I will also comment on exotic spectra from multi-step phase transitions, and finish with an outlook to the Effective Field Theory of Gravitational Waves from Phase Transitions.

**Orateur:** CROON, Djuna (Dartmouth)

**Classification de Session:** Talks and group discussions