## **DPF-PHENO 2024**

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## Novel effects of non-standard cosmology on Gravitational waves

Wednesday 15 May 2024 17:00 (15 minutes)

We investigate the effects of change in temperature of thermal bath via non-adiabatic conditions on the phase transition and it's gravitational wave signature. Our preliminary results show that it is possible to get gravitational waves with shifted frequency due to the thermal kick to the bath in the early universe. This is a novel result and is ubiquitous in scenarios with non-instantaneos reheating, perturbation reentry leading to PBH formation and so on.

## Mini Symposia (Invited Talks Only)

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