



Contribution ID: 159

Type: not specified

## Cosmological Consequences of Massive Gravity

Monday 5 May 2014 14:45 (15 minutes)

The cosmological consequences of the deRham-Gabadadze-Tolley (dRGT) massive gravity model will be discussed. In the framework of dRGT model the today accelerated expansion of the universe is governed by a non-zero mass of graviton that is determined by the today value of the Hubble parameter  $m_g \sim H_0$ . In order to recover the isotropic background solutions at the late stages of the universe expansion as well as the stability of perturbations the quasidilaton extensions of the dRGT model have been developed. In this talk I will be focused on gravittonal waves dynamics in the dRGT model and the corresponding CMB signatures such as temperature and polarization anisotropies.

**Primary author:** Dr KAHNIASHVILI, Tina (Carnegie Mellon University)

**Presenter:** Dr KAHNIASHVILI, Tina (Carnegie Mellon University)

**Session Classification:** Cosmology I