28th Texas Symposium on Relativistic Astrophysics



Contribution ID: 174

Type: Talk

Tensions Between CMB and Weak Lensing Data Sets when Testing General Relativity

Sunday 6 December 2015 14:26 (27 minutes)

There has been quite a bit of recent discussion about tension between CMB and weak lensing data sets, especially in the context of testing general relativity using modified growth parameters. We use a combination of cosmological data sets, including the CMB temperature anisotropy data from Planck, weak lensing tomography from CFHTLenS, and the WiggleZ galaxy power spectrum to place constraints on modified growth parameters. A likelihood analysis is performed using the publicly available package ISiTGR. We explore what tensions, if any, are present between the CMB and weak-lensing data when using three different parameterizations for the modified growth parameters.

Author: DOSSETT, Jason (INAF - Osservatorio Astronomico di Brera)

Co-authors: PARKINSON, David (University of Queensland); ISHAK, Mustapha (The University of Texas at Dallas); DAVIS, Tamara (University of Queensland)

Presenter: DOSSETT, Jason (INAF - Osservatorio Astronomico di Brera)

Session Classification: 04 - Dark energy