

# De *Madrid* al *Cosmos*

Tension and constraints on modified gravity parametrizations of  $G_{\text{eff}}(z)$  from growth rate and Planck data

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**Abstract:** Some of the current cosmological data, i.e. weak lensing (WL), growth rate, seem to be in tension with Planck15/LCDM and indicate consistently that there is a lack of gravitational power in structures on intermediate-small cosmological scales. This lack of power may be expressed through different cosmological parameters in a degenerate manner. In this talk, after a brief overview of WL and Redshift Space Distortion (RSD), I will present an updated and extended compilation of growth rate data based on recent RSD measurements and use it to test its consistency with the best fit Planck15/LCDM.

Jueves 01 de junio, 15:00 h.

Sala de Juntas

CFMAC-CSIC (Serrano, 113 Bis)

Ciclo de seminarios organizado conjuntamente por los grupos

- *Teorías Efectivas en Física Moderna* (UCM)
- *Gravitación y Cosmología* (IEM-CSIC)

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