

Ip: "Solar System Constraints on Disformal Gravity Theories"

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[Coauthors: Jeremy Sakstein, Fabian Schmidt] (arXiv: 1507.00568) We wanted to see if (Horndeskiean) disformal theories of gravity can be a driving mechanism of cosmic acceleration. Local test constraints on PPN parameters encoding preferred-frame effects (due to the SS moving against the cosmological background) require these theories to have a cosmology indistinguishable from LCDM, under the assumption of the equivalence principle.