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Covariantised Vector Galileons

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Vectors with ghost-free derivative self-interactions have been shown to have interesting cosmological applications. They form a ghost-free extension of the Proca theory that has a Galileonic longitudinal mode and can be generated naturally via a Higgs mechanism. In this talk I will discuss recent results on the covariantisation of these models and their relation to general ghost-free scalar-tensor theories.

Presenter: HULL, Mathew (University of Portsmouth, United Kingdom) Session Classification: Dark Energy