Contribution ID: **57**   Type: **Contributed talk**

The Vainshtein mechanism in general disformal gravity

Tuesday, 26 July 2016 14:30 (15 minutes)

Summary

We study the Vainshtein mechanism in general disformal gravity which is a result of applying a general disformal transformation to Einstein gravity. We investigate the situations in which the late time accelerated expansion of the universe can be obtained in this theory. Based on these situations, we find that the Vainshtein mechanism can work when the scalar field in this theory is a phantom field or its kinetic term has a positive sign in the spherically symmetric static limit.

Based on (arXiv number)

Primary author: Dr KARWAN, Khamphee (The Institute for Fundamental Study)

Presenter: Dr KARWAN, Khamphee (The Institute for Fundamental Study)

Session Classification: Dark Energy and Modified Gravity

Track Classification: Dark Energy and Modified Gravity