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Effective Theory of (Higher-Order) Scalar Tensor Theories

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Most existing theories of dark energy and/or modified gravity, involving a scalar degree of freedom, can be conveniently described within the framework of the Effective Theory of Dark Energy. After reviewing this approach, I will extend it to consider Higher-Order Scalar Tensor Theories and discuss their degeneracy and phenomenological viability at the linear level.

Author: Dr VERNIZZI, Filippo (IPhT, CEA/Saclay)

Presenter: Dr VERNIZZI, Filippo (IPhT, CEA/Saclay)

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