

# Quantum Scale Invariance, Hierarchy generation and Inflation

*Wednesday 30 January 2019 16:10 (40 minutes)*

Global and local Weyl invariant theories of scalars and gravity can generate all mass scales spontaneously, initiated by a dynamical process of “inertial spontaneous symmetry breaking” that does not involve a potential. We discuss how inflation readily occurs and how an hierarchy of mass scales may be generated and consider its stability against quantum corrections.

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