

# Dilaton as GIMP and Dilatonic Dark Matter

*Wednesday 22 June 2016 10:15 (20 minutes)*

We discuss the importance of the dilaton in physics, in particular in cosmology. It naturally appears in almost all higher-dimensional unified theories as the fundamental scalar graviton which generates the fifth force. Moreover, it could become an excellent candidate of the dark matter as the gravitationally interacting massive particle (GIMP). We discuss how to detect the dilaton experimentally.

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