



# Sommerfeld Theory Colloquium

Prof. Erik Verlinde

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Dark Matter, Dark Energy and the Emergence of Gravity

I will present a simple universal equation that correctly describes the observed dark matter density profiles in galaxies, clusters and even the universe. A derivation is given by combining ideas from string theory and black hole physics.

Gravity emerges as a reaction force due to an underlying dynamical system, whose energy contains the dark energy of our universe.

Wednesday, 16 November 2011, 16:15h, Room A348/349, Theresienstr. 37/III