



The Department of Physics at the University of Cyprus
is organizing a seminar on

Tuesday, 14 of November 2017, time 5:00 p.m.

Room B228, Building 13, New Campus

Speaker:

Dr. A. Anastasiou

Nordita, KTH Royal Institute of Technology and Stockholm University

**“Gravity as the square of Yang-Mills: Amplitudes,
Symmetries, Equations of Motion”**

Squaring involves the tensoring between the state content of two super Yang-Mills (YM) theories to obtain the state content of a supergravity theory. In the first part of this talk I will discuss how understanding the YM origin of global gravitational symmetries is a powerful tool towards classifying gravity theories which admit such a factorisation. In the second part I will discuss how studying the YM origin of local gravitational symmetries can lead to a field dictionary through which the gravitational equations of motion can be derived from the YM ones

For more information please contact:
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