



LUDWIG-
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MÜNCHEN

ARNOLD SOMMERFELD
CENTER FOR THEORETICAL PHYSICS



Arnold Sommerfeld Lecture Series

Professor Alexander Polyakov

Princeton University, USA

Sommerfeld Theory Colloquium: Gauge Fields and Strings

We discuss the problem of quark confinement, starting with instantons which "localize" quarks, making their propagation impossible. We pass to the description of the same phenomenon in terms of strings, living in the five dimensional warped space - time. That brings us to the gauge / gravity duality and novel views on the origin of gravity.

Wednesday, 14th January 09, 10:45 h, Room 348 / 349, Theresienstr. 37 / III, LMU

Prof. V. Mukhanov