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ARNOLD SOMMERFELD  

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CENTER FOR THEORETICAL PHYSICS



# Arnold Sommerfeld Lecture Series

**Professor Nathan Seiberg**

**IAS Princeton, USA**

**Public Lecture:**

## **The Frontiers of Fundamental Physics**

In recent decades, physicists and astronomers have discovered two beautiful Standard Models, one for the quantum world of extremely short distances, and one for the universe as a whole. Both models have had spectacular success, but there are also strong arguments for new physics beyond these models. In this lecture, we will review these models, their successes and their shortfalls. We will describe how experiments in the near future could point to new physics suggesting a profound conceptual revolution, which could change our view of the world.

**Tuesday, January 10, 2017, 17:15 h, Room B 052, Theresienstr. 39, LMU**

Prof. D. Lüst

**You are cordially invited to attend the reception following the public lecture on January 10.**