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CENTER FOR THEORETICAL PHYSICS



# Arnold Sommerfeld Lecture Series

Professor Alexander Vilenkin

Tufts Institute of Cosmology, USA

**Public Lecture:**

## Many Worlds in One

Recent developments in cosmology suggest that the big bang was not a unique event in the cosmic history. Other big bangs constantly erupt in remote parts of the universe, producing new worlds with great variety of physical properties. Some of these worlds are similar to ours, while others are strikingly different and even obey different laws of physics. I will discuss the origin of this new worldview, its possible observational tests, and some of its bizarre implications.

**Tuesday, 3<sup>rd</sup> May 2011, 17:15 h, Room B052, Theresienstr. 39, LMU**

Prof. V. Mukhanov