复旦大学物理系 物质科学报告

Time: 1:00pm, Tuesday, 2018.6.26

Location： Physics Building (Jiangwan), Room C108

Much Ado About Memories

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How would you ever know if electromagnetic or gravitational wave passed through your body? In this talk, I offer a rudimentary explanation for detecting them through the method of so-called "memory effect" and its intimate relation to universal properties of the respective gauge symmetries. I extend this to the wave of Kalb-Ramond field, which mediate force between fundamental strings. I then assess the prospect that string theory is experimentally tested, leaving detailed implementation to brilliant young minds in the audience.

Soo-Jong Rey,

Current Positions:

- Professor, School of Physics and Astronomy, Seoul National University
- Fellow (FInP) , The Institute of Physics
- Fellow (FKAST), The Korea Academy of Science and Technology
- Editorial Board Member: Journal of High-Energy Physics; Open Physics; Classical and Quantum Gravity
- Advisory Board Member :The Korea Foundation for Advanced Studies

Research Interests:

- Primarily: all interesting aspects of string theory and quantum field theory
- Broadly: high-energy physics , theoretical and observational cosmology

Honors and Prizes:

- J.J. Sakurai Scholarship (1984)
- SSC Fellowship (1990-1993)
- Seoam Fellowship (1996)
- ICTP Prize (2001) in Honor of Hans A. Bethe
- Wilhelm Friedrich Bessel Research Award [Alexander von Humboldt Foundation] (2004)
- Kyung-Ahm Research Award (2006)
- Korea Science Award (2008)