



复旦大学物理系 Colloquium

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Theories of dark matter

Prof. Lian-Tao Wang

University of Chicago

Abstract: The nature of dark matter is among the most pressing questions in particle physics and cosmology. There are many ideas and models. At the same time, large gaps still remain. I will give an overview of the main classes of dark matter theories, and summarize their status, and highlight possible future directions.



Biography: Liantao Wang is the professor of Enrico Fermi Institute, Department of Physics, and Kalvi Institute for Cosmological Physics at the University of Chicago. He completed his B.S. at Fudan University (1995) and Ph.D. at the University of Michigan (2002). He later worked as a research associate at the University of Wisconsin and Harvard University. He joined the faculty of Princeton University in 2006 and moved to the University of Chicago in 2011. He is a Fellow of the American Physics Society. He has won an Early Career Award of US Department of Energy (2010-2015), and Outstanding Junior Investigator Award of US Department of Energy (2008-2010). His focus has been on various aspects of the phenomenology of elementary particle physics.