

TOPICS & SPEAKERS

Einstein's Biggest Blunder?

A Cosmic Mystery Story

Professor Lawrence M. Krauss

Case Western Reserve University

Lawrence M. Krauss is Ambrose Swasey Professor of Physics, Prof. of Astronomy, and Director of the Center for Education and Research in Cosmology and Astrophysics. Krauss received his PhD from MIT in 1982 and then joined the Society of Fellows at Harvard University. He was appointed to the faculty of physics and astronomy at Yale University in 1985, and then joined Case as Chair of Physics in 1993. The author of 7 popular books including international best-seller, *The Physics of Star Trek*, and the award winning, *Atom*, and his newest book, *Hiding in the Mirror: The Mysterious Allure of Extra Dimensions from Plato to String Theory and Beyond*, Krauss is also a regular radio commentator and essayist for newspapers such as the New York Times, and appears regularly on television. Krauss is one of the few well known scientists today described by such magazines as *Scientific American* as a public intellectual, and with activities including performing with the Cleveland Orchestra, he has also crossed the chasm between science and popular culture. At the same time he is a highly regarded international leader in cosmology and astrophysics, and is the author of over

200 papers, winner of numerous international awards for his research accomplishments and his writing (he is, for example, the only physicist to have been awarded the highest awards of the American Physical Society, the American Association of Physics Teachers, and the American Institute of Physics) and is a Fellow of the American Physical Society, and the American Association for the Advancement of Science. He has been particularly active leading the effort by scientists to defend the teaching of science in public schools. His essay in the New York Times on Evolution and Intelligent Design in May 2005 helped spur the recent controversy that has involved the Catholic Church.

Is Time Travel Possible?

Professor Ken Olum

Tufts University, Medford, MA

Ken Olum is a research associate professor in the Institute of Cosmology at Tufts University. He received his Ph.D. from MIT in 1997 and has worked at Tufts since then. His interests include cosmic strings, ultra-high-energy cosmic rays, anthropic reasoning in cosmology, and exotic phenomena in general relativity. In his relativity work, Professor Olum investigates the possible distributions of matter and energy in quantum field theory. The configurations of matter and energy control the spacetimes that can arise in general relativity. Knowing the range of possibilities would tell us whether it is possible to construct a wormhole or travel faster than light or backward in time.

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SYMPOSIUM AT A GLANCE

12:30 pm - 12:45 pm	Registration
1:00 pm - 2:00 pm	Einstein's Biggest Blunder? A Cosmic Mystery Story Professor Lawrence M. Krauss
2:00 pm - 2:15 pm	Break
2:15pm - 3:15 pm	Is Time Travel Possible? Professor Ken Olum
3:15pm - 3:30 pm	Break
3:30pm - 4:30 pm	Q & A