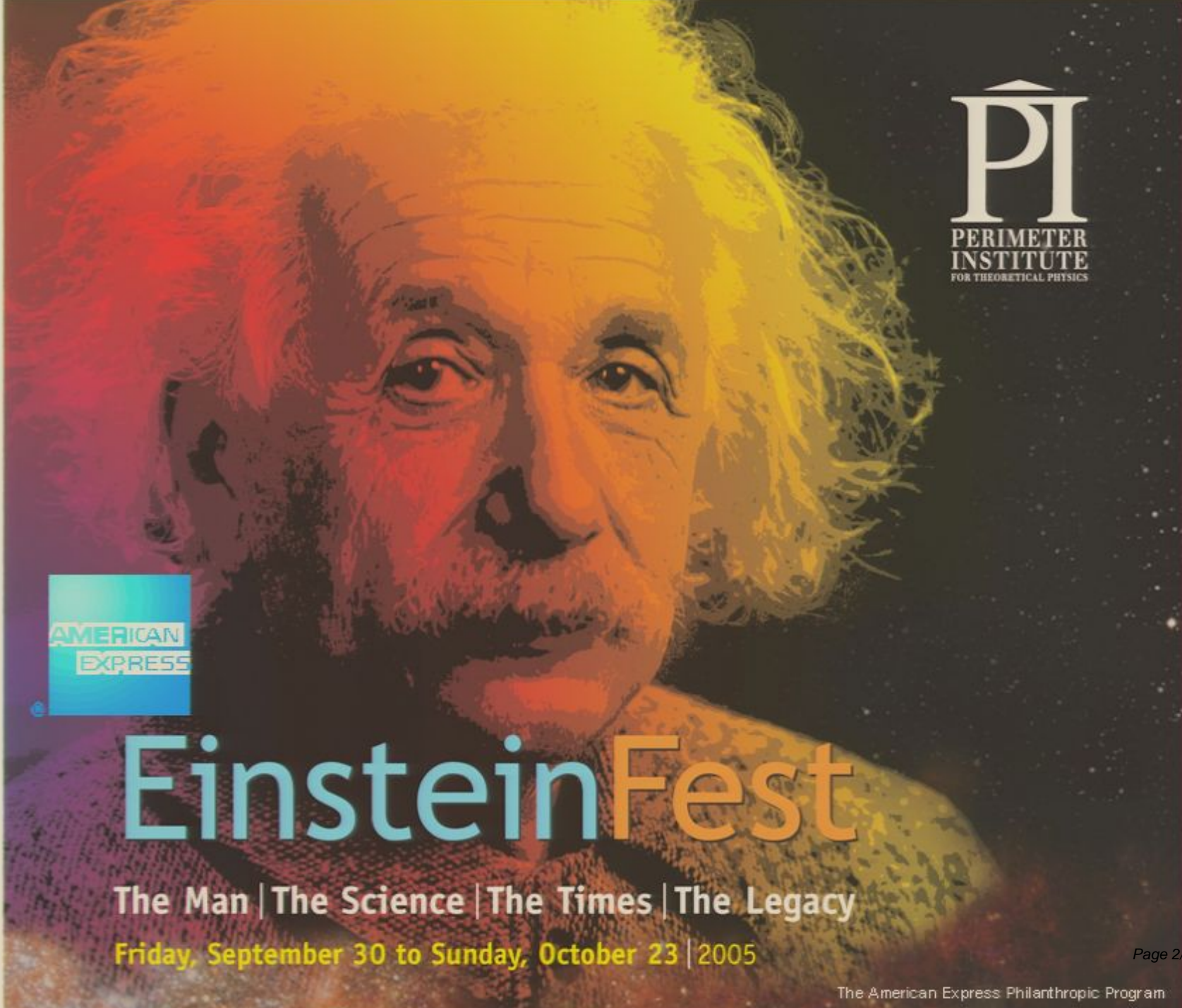


Title: Faster than the Speed of Light: Could the Laws of Physics Change?

Date: Oct 22, 2005 02:00 PM

URL: <http://pirsa.org/05100033>

Abstract: Could the laws of physics change? The laws of physics are usually meant to be set in stone; variability is not usually part of physics. Yet contradicting Einstein's tenet of the constancy of the speed of light raises nothing less than that possibility. I will discuss some of the more dramatic implications of a varying speed of light. <kw>Joao Magueijo, Theory of Relativity, speed of light, VSL, varying speed of light, Dirac, cosmology, geometry, dimensional, dimensionless, Bekenstein, Brans-Dicke, varying constant, Einstein, time dilation, length contraction, horizons, Big Bang, grand-unified theory, Planck length, Planck time, gravity, space, time, quantum gravity, varying alpha, Kelvin, quasar, laws of physics </kw>



PI
PERIMETER
INSTITUTE
FOR THEORETICAL PHYSICS



EinsteinFest

The Man | The Science | The Times | The Legacy

Friday, September 30 to Sunday, October 23 | 2005