

2016 Spring

KAVLI FULLDOME LECTURE SERIES

Lecture

FROM THE BIG BANG TO THE MULTIVERSE AND BEYOND

Presented by **MICHAEL TURNER**

Director of the Kavli Institute of Cosmological Physics and
Bruce V. and Diana M. Rauner Distinguished Service Professor
at the University of Chicago

ABOUT THE LECTURE

We know the Universe began 13.7 billion years ago in an explosion of space called the Big Bang. We also know that the gravity of dark matter created the galaxies and other cosmic structures we see today from tiny quantum fluctuations that arose just after the Big Bang.

Yet some big questions remain. Is our Universe part of the larger multiverse? What is speeding up the expansion of the Universe? These are the mysteries that inspire cosmologists today. In a dazzling, full-dome presentation, this presentation will illustrate what we know and how we know it, as well as the big ideas and puzzles of cosmology today.

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