

*Understanding the Universe
Using Gravitational Waves*

Astrid Lamberts
July 14, 8 PM

*The Origin of the Universe
and the Arrow of Time*

Sean Carroll
August 11, 8 PM

*Where to Find Real Time Machines
and How to Use Them*

Andreas Faisst
September 22, 8 PM

Cosmic Fireworks

Mansi Kasliwal
October 20, 8 PM

*Cosmic Lenses:
Bending Light with Gravity*

Denise Schmitz
November 17, 7 PM

*Brown Dwarfs: Too Small a Star;
Too Massive a Planet*

Kaew Tinyanont
December 8, 7 PM

These are free lectures at a public level followed by guided stargazing with telescopes (weather permitting). All events are held at the Cahill Center for Astronomy and Astrophysics at Caltech. No reservations are needed. Lectures are 30 minutes, stargazing lasts 90 minutes. Stay only as long as you want.

For directions, weather updates, and more information, please visit:

<http://outreach.astro.caltech.edu>