

FEYNMAN

100

SESSION 1

9:00AM WELCOME

9:10AM THE FUTURE OF PARTICLE PHYSICS

David Gross, Nobel Prize, Physics 2004; Chancellor's Chair Professor of Theoretical Physics, Kavli Institute for Theoretical Physics, University of California at Santa Barbara

9:50AM HOW TO QUANTIZE GRAVITY

Hiroshi Ooguri, Fred Kavli Professor of Theoretical Physics and Mathematics, Caltech; Director of the Walter Burke Institute for Theoretical Physics

10:30AM BREAK

SESSION 2

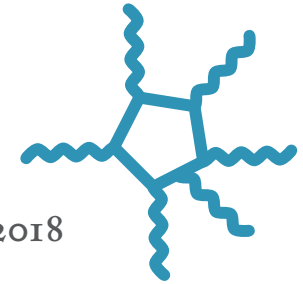
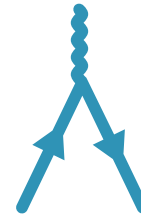
11:00AM DARKLY CHARGED DARK MATTER

Lisa Randall, Frank B. Baird, Jr. Professor of Science, Harvard University

11:40AM COSMOLOGY FOR FEYNMAN: WHAT WE KNOW & WHAT WE DON'T KNOW

Michael Turner, Rauner Distinguished Service Professor and Director of the Kavli Institute for Cosmological Physics at the University of Chicago

12:20PM LUNCH



SATURDAY, MAY 12, 2018

SESSION 3

2:00PM QUANTUM COMPUTING: FEYNMAN'S OPPORTUNITY

Christopher Monroe, Distinguished University Professor & Bice Seci-Zorn Professor, University of Maryland; Co-Founder and Chief Scientist, IonQ

2:40PM TOPOLOGICAL QUANTUM COMPUTING: PLENTY OF ROOM IN THE MIDDLE

Jason Alicea, Professor of Theoretical Physics, Caltech

3:20PM BREAK

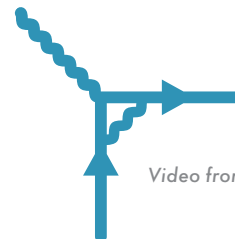
SESSION 4

3:50PM EXOPLANETS AND BEYOND

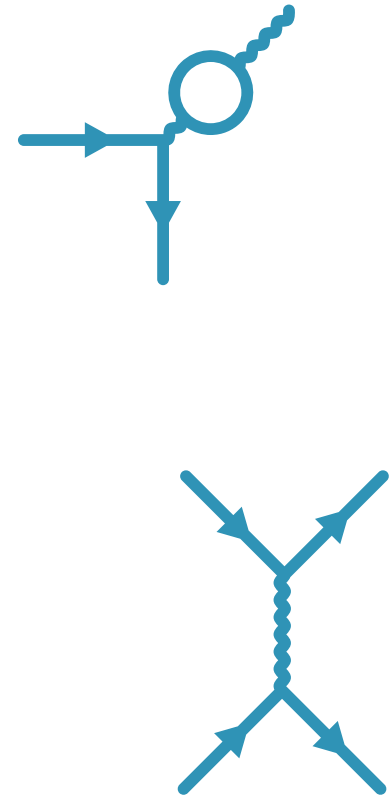
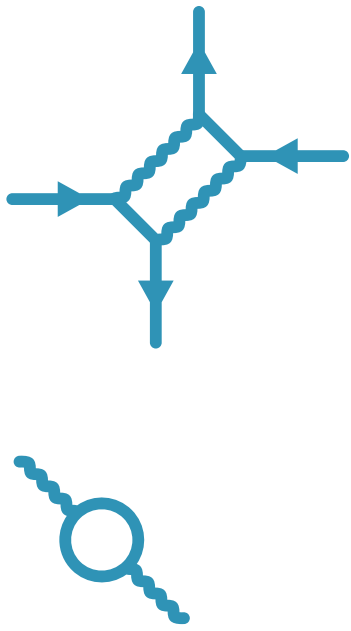
Sara Seager, Professor of Planetary Science, Professor of Physics, and Professor of Aerospace Engineering at MIT; Class of 1941 Professor Chair

4:30PM ENTANGLED LIGHT MAKES THE DARKNESS BRIGHT

Rana Adhikari, Professor of Physics, Caltech



Video from today's symposium will be made available online at feynman100.caltech.edu



"THE MIND'S EYE: RICHARD FEYNMAN IN WORD AND IMAGE"

In work and play, Richard Feynman was a distinctively visual thinker. The Caltech Archives is telling the story of Feynman's life and physics by exhibiting the notes and artwork through which he shared his vision. Highlights include the early Feynman diagrams with which Feynman developed his Nobel Prize-winning contributions to quantum electrodynamics, illustrated lecture notes for the famous Feynman lectures on physics, sketches of colleagues and campus sites, and photographs of Feynman as a teacher, drummer, and amateur actor.

Visit this exhibit at the Caltech Science Museum 131 [Beckman Institute](#). Located West of the Beckman Auditorium. Special hours: Saturday, May 12 from 10am to 6pm

Beginning Monday, May 14 the Exhibit will be open Monday through Friday from 11am to 4pm

We acknowledge the Gordon and Betty Moore Foundation for its generous support of this exhibit.

LUNCH OPPORTUNITIES

Caltech Dining will be open today for symposium participants. Visit [Chandler Café](#), the main cafeteria, for a wide range of seasonal options in a station dining format.

[Red Door Marketplace](#) is located next to Chandler Café, and offers a delicious variety of espresso, tea, and specialty drinks. It will also have an assortment of grab-and-go lunch options available today.

[South Lake Avenue](#) just a few blocks west of Caltech includes a wide variety of restaurants. You can choose from coffee shops to fine dining. Find more information and a list of nearby restaurants at southlakeavenue.org