Panelists Bios

**Jonathan Zrake** is an Assistant Professor at Clemson University. He received his PhD from NYU in 2013. From 2013 to 2017 he was a Kavli fellow here at KIPAC. In 2017 he moved to Columbia University as a research scientist, and then joined the faculty at Clemson in 2020. He works primarily on high energy and multi-messenger astrophysics, using high-performance, state-of-the-art computing. You can find more information about him and his work on his [website](#).

**Ke Fang** will be joining the faculty at the University of Wisconsin in the Spring of 2021. She received her PhD from the University of Chicago in 2015. After her Ph.D. she took a joint fellowship at NASA Goddard and the University of Maryland until 2018, at which point she came to Stanford as an Einstein fellow. Her research is on energetic messengers, including ultrahigh energy cosmic rays, gamma rays, and high-energy neutrinos. You can find more information about her and her work on her [website](#).

**Julie McEnery** is the senior astrophysicist for high energy astrophysics at NASA’s Goddard Space Flight Center. She received her PhD from University College Dublin in 1997. After postdocs at the University of Utah and the University of Wisconsin, she moved to Goddard Space Flight Center in 2002. She served as the project scientist for the Fermi Gamma-ray Space Telescope for 10 years, and in 2018 transitioned to the Nancy Grace Roman Space Telescope, where she serves as senior project scientist. Her research focuses on the study of extreme high energy transients and the development of the ground and space-based observatories needed to pursue this.

**Risa Wechsler** is a Professor at Stanford University and the Director of KIPAC. She received her PhD from UC Santa Cruz in 2001. After postdoctoral fellowships at the University of Michigan (2001-2003) and the University of Chicago (2003-2006) she joined the Stanford Faculty in 2006. Her group’s major research interests are focused on understanding the growth of structure in the universe, how structure formation drives galaxy formation, and how galaxies can be used to probe the fundamental physics of the universe. You can find more information about her and her work on her [website](#).

**Tom Shutt (moderator)** is a Professor at SLAC. He received his PhD from UC Berkeley in 1993. After a postdoc at Berkeley (1993-1998) he served on the faculty at Princeton (1998-2005) and Case Western (2005-2014) before coming to SLAC in 2014. His research interests are in the direct detection of dark matter, and in developing instrumentation, in particular liquid nobel drift chambers. You can find more information about him on his Stanford faculty [profile](#). Despite appearances to the contrary he does not moonlight as an author of urban fantasy.