Abigail Vieregg is an associate professor in the departments of Physics and Astronomy and Astrophysics at the University of Chicago. Her work is focused on probing fundamental physics of the universe at its most extremes through measurements of ultra-high energy neutrinos and of the Cosmic Microwave Background. She is PI of a NASA Astrophysics Pioneers mission PUEO, which searches for ultra-high energy neutrinos, PI of the Radio Neutrino Telescope in Greenland, located at NSF’s Summit Station in Greenland, and is on the executive team of the CMB-S4 experiment, a DOE and NSF project that will make unprecedentedly precise measurements of the cosmic microwave background. Vieregg got her AB from Dartmouth College, her PhD from UCLA, and was a postdoctoral fellow at the Harvard-Smithsonian Center for Astrophysics before going to the University of Chicago as an assistant professor.