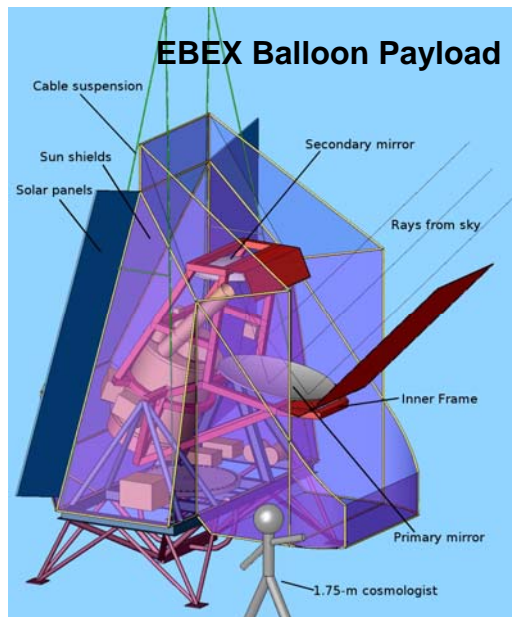


Signatures from the Birth of the Universe

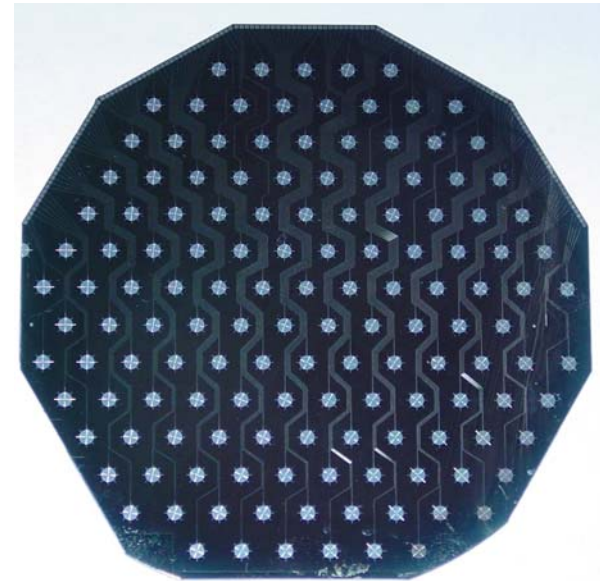
Shaul Hanany (PI), Hannes Hubmayr

Physics, University of Minnesota

- Measurements of the Cosmic Microwave Background Radiation
 - ◆ Probe the universe as close as 10^{-35} seconds after the big bang
 - ◆ Balloon Borne Experiment
 - ◆ Funded by NASA
 - ◆ Flown in Antarctic



- Work at Nanofabrication Center
 - ◆ Wire bond detector wafers
 - ◆ Characterize anti-reflection coatings for lenses



Photograph of an EBEX detector wafer
(courtesy of A. Lee, UC Berkeley)

- Publications
 - ◆ Oxely et al. Proceedings of SPIE, Vol. 5543, Pg. 320