Signatures from the Birth of the Universe

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NNIN Facility utilized: Nanofabrication Center

- 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
  - To be Flown in Antarctica

- Work at Nanofabrication Center
  - Characterize and wire bond detector wafers
  - Characterize anti-reflection coatings for lenses

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

- Publications