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Millimeter, Submillimeter, and Far-Infrared Detectors and Instrumentation for Astronomy VI

**Wayne S. Holland
Jonas Zmuidzinas**
Editors

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T. Okuda, Nagoya Univ. (Japan); Y. Kurono, S. Iguchi, National Astronomical Observatory
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SESSION 9 CMB INSTRUMENTATION: CURRENT/NEAR TERM

- 8452 1A **BICEP2 and Keck array operational overview and status of observations** [8452-46]
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J. A. Brevik, California Institute of Technology (United States); E. Bullock, Univ. of Minnesota
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States); S. Fliescher, Univ. of Minnesota (United States); S. R. Golwala, California Institute of
Technology (United States); M. Gordon, Harvard-Smithsonian Ctr. for Astrophysics (United
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Z. K. Staniszewski, Jet Propulsion Lab. (United States) and California Institute of Technology
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A. G. Vieregg, Harvard-Smithsonian Ctr. for Astrophysics (United States); D. V. Wiebe, The
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- 8452 1B **Optimization and sensitivity of the Keck Array** [8452-47]
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and Cosmology (United States); P. A. R. Ade, Univ. of Wales, Cardiff (United Kingdom);
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8452 1C

The POLARBEAR experiment [8452-48]

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8452 1D

The bolometric focal plane array of the POLARBEAR CMB experiment [8452-49]

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- 8452 1E **SPTpol: an instrument for CMB polarization measurements with the South Pole Telescope** [8452-50]
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- 8452 1F **Performance and on-sky optical characterization of the SPTpol instrument** [8452-51]
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8452 1G

Antenna-coupled TES bolometers for the Keck Array, Spider, and Polar-1 [8452-52]

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8452 1H **The POLARBEAR-2 experiment** [8452-53]

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SESSION 11 CMB INSTRUMENTATION: NEW DEVELOPMENTS II

8452 1J **The Primordial Inflation Polarization Explorer (PIPER)** [8452-55]

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- 8452 1L **MuSE: a novel experiment for CMB polarization measurement using highly multimoded bolometers** [8452-57]
A. Kusaka, Princeton Univ. (United States); D. J. Fixsen, A. J. Kogut, NASA Goddard Space Flight Ctr. (United States); S. S. Meyer, The Univ. of Chicago (United States); S. T. Staggs, Princeton Univ. (United States); T. R. Stevenson, NASA Goddard Space Flight Ctr. (United States)

- 8452 1M **GroundBIRD: an experiment for CMB polarization measurements at a large angular scale from the ground** [8452-58]
O. Tajima, High Energy Accelerator Research Organization (Japan) and The Graduate Univ. for Advanced Studies (Japan); J. Choi, Korea Univ. (Korea, Republic of); M. Hazumi, High Energy Accelerator Research Organization (Japan) and The Graduate Univ. for Advanced Studies (Japan); H. Ishitsuka, The Graduate Univ. for Advanced Studies (Japan); M. Kawai, High Energy Accelerator Research Organization (Japan); M. Yoshida, High Energy Accelerator Research Organization (Japan) and The Graduate Univ. for Advanced Studies (Japan)

- 8452 1N **Detector architecture of the cosmology large angular scale surveyor** [8452-59]
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H. T. Nguyen, R. O'Brient, California Institute of Technology (United States) and Jet Propulsion Lab. (United States); R. W. Ogburn, Stanford Univ. (United States); C. Pryke, Univ. of Minnesota (United States); J. E. Ruhl, Case Western Reserve Univ. (United States); M. Runyan, California Institute of Technology (United States); R. Schwarz, Univ. of Minnesota (United States); C. Sheehy, Univ. of Minnesota (United States) and The Univ. of Chicago (United States); Z. Staniszewski, California Institute of Technology (United States) and Jet Propulsion Lab. (United States); R. Sudiwala, Univ. of Wales, Cardiff (United Kingdom); G. Teply, California Institute of Technology (United States); J. Tolan, Stanford Univ. (United States); J. D. Turner, P. Wilson, Jet Propulsion Lab. (United States); C. L. Wong, Harvard-Smithsonian Ctr. for Astrophysics (United States)

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