

★ = works with significant technical contributions

- PREPRINTS
55. G. Robson, *et al.* *The Simulation and Design of an On-Chip Superconducting Millimetre Filter-Bank Spectrometer*. 2111.04632 (2021).
 54. ★ K. S. Karkare, *et al.* *SPT-SLIM: A Line Intensity Mapping Pathfinder for the South Pole Telescope*. 2111.04631 (2021).
 53. ★ J. A. Sobrin, A. J. Anderson, *et al.* *The Design and Integrated Performance of SPT-3G*. 2106.11202 (2021).
 52. J. Montgomery, *et al.* *Performance and characterization of the SPT-3G digital frequency-domain multiplexed readout system using an improved noise and crosstalk model*. 2103.16017 (2021).
 51. M. Millea, *et al.* *Optimal CMB Lensing Reconstruction and Parameter Estimation with SPTpol Data*. 2012.01709 (2020).
 50. ★ Z. Ahmed, *et al.* *Search for annual modulation in low-energy CDMS II data*. 1203.1309 (2012).
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49. L. Balkenhol, *et al.* *Constraints on Λ CDM Extensions from the SPT-3G 2018 EE and TE Power Spectra*. Phys. Rev. D **104**, 083509 (2021).
 48. S. Guns, *et al.* *Detection of Galactic and Extragalactic Millimeter-Wavelength Transient Sources with SPT-3G*. ApJ **916**, 98 (2021).
 47. ★ D. Dutcher, *et al.* *Measurements of the E-Mode Polarization and Temperature-E-Mode Correlation of the CMB from SPT-3G 2018 Data*. Phys. Rev. D **104**, 022003 (2021).
 46. P. A. R. Ade, *et al.* *A Demonstration of Improved Constraints on Primordial Gravitational Waves with Delensing*. Phys. Rev. D **103**, 022004 (2021).
 45. F. Bianchini, *et al.* *Searching for Anisotropic Cosmic Birefringence with Polarization Data from SPTpol*. Phys. Rev. D **102**, 083504 (2020).
 44. C. L. Reichardt, S. Patil, *et al.* *An Improved Measurement of the Secondary Cosmic Microwave Background Anisotropies from the SPT-SZ + SPTpol Surveys*. ApJ **908**, 119 (2021).
 43. A. Nadolski, *et al.* *Broadband, millimeter-wave antireflection coatings for large-format, cryogenic aluminum oxide optics*. Appl. Opt. **59**, 3285-3295 (2020).
 42. F. Bianchini, *et al.* *Constraints on cosmological parameters from the 500 deg² SPTpol lensing power spectrum*. ApJ **888**, 119 (2020).
 41. J. T. Sayre, *et al.* *Measurements of B-mode polarization of the cosmic microwave background from 500 square degrees of SPTpol data*. Phys. Rev. D **101**, 122003 (2020).
 40. L. E. Bleem, *et al.* *The SPTpol Extended Cluster Survey*. ApJ Suppl. **247**, 25 (2020).
 39. J. S. Adams, *et al.*, *Micro-X Sounding Rocket: Transitioning from First Flight to a Dark Matter Configuration*. J. Low Temp. Phys. **199**, 1072-1081 (2019).

38. ★ A. J. Anderson, *et al.*, *Performance of Al-Mn Transition-Edge Sensor Bolometers in SPT-3G*. J. Low Temp. Phys. **199**, 320-329 (2019).
37. ★ A. N. Bender, A. J. Anderson, J. S. Avva, *et al.* *On-sky performance of the SPT-3G frequency-domain multiplexed readout*. J. Low Temp. Phys. **199**, 182-191 (2019).
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35. S. Raghunathan, *et al.* *A detection of CMB-cluster lensing using polarization data from SPTpol*. Phys. Rev. Lett. **123**, 181301 (2019).
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31. W. Everett, *et al.* *Design and Bolometer Characterization of the SPT-3G First-Year Focal Plane*. J. Low Temp. Phys. **193**, 1085-1093 (2018).
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29. ★ A. J. Anderson, *et al.*, *SPT-3G: A Multichroic Receiver for the South Pole Telescope*. J. Low Temp. Phys. **193**, 1057-1065 (2018).
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21. J. W. Henning, *et al.* *Measurements of the temperature and E-mode polarization of the CMB from 500 square degrees of SPTpol data*. ApJ **852**, 97 (2018).

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