

Abstract Submitted
for the APR21 Meeting of
The American Physical Society

Science Reach of PICO - a New, Probe-Class CMB Space Mission SHAUL HANANY, University of Minnesota — With only 13,000 detectors implemented on a single platform in space, PICO's science reach is extraordinarily broad and exceeds that of other CMB projects planned for the next decade at angular scales larger than 5 arcminutes. The combination of broad frequency coverage between 21 and 800 GHz, systematics control achievable with the superb thermal stability attainable at L2, and low noise make PICO an optimal platform in terms of optimizing science for cost. I will present the mission, its transformative science, and the path for implementation

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Date submitted: 01 Apr 2021

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