Combined Array for Research in Millimeter-wave Astronomy

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Abstract

The Combined Array for Research in Millimeter-wave Astronomy (CARMA) consists of six 10.4m and nine 6.1m diameter antennas at elevation 2200m in eastern California. CARMA observes at 1mm and 3mm on baselines from 8 to 1900m. The University of Chicago's Sunyaev-Zel'dovich Array (SZA) is expected to join CARMA this year with eight 3.5m antennas. Also during this year, the correlator will be upgraded and new 3mm receivers will be installed. Dual-polarization 1mm receivers are under development. I will present CARMA science and describe our instrumental program.