Array[a]	Antennas # × diam.	Maximum Baseline	λ^b /mm	Highest Resolution[c]	Sensitivity[d]		
					Flux /mJy	Mass[e]/$M_\odot$	Brightness[f] / K
BIMA	10 x 6 m	2 km	3.0	$0.3''$	1.0	3.5×10^{-4}	1.9
			1.3	$0.13''$	3.0	8.6×10^{-5}	5.7
IRAM	5 x 15 m	400 m	3.0	$1.5''$	0.4	1.4×10^{-4}	0.03
			1.3	$0.7''$	1.4	4.0×10^{-5}	0.06
NMA	6 x 10 m	600 m	3.0	$1.0''$	1.0	3.5×10^{-4}	0.17
			2.0	$0.7''$	2.0	2.1×10^{-4}	0.14
OVRO	6 x 10 m	400 m	3.0	$1.5''$	0.5	1.8×10^{-4}	0.04
			1.3	$0.7''$	1.2	3.4×10^{-5}	0.09
CSO–JCMT	10 m, 15 m	160 m	0.85	$1.0''$	4	3.2×10^{-5}	0.05
			0.65	$0.8''$	10	3.6×10^{-5}	0.13
VLA (Q)	13 x 25 m	35 km	7.0	$0.04''$	0.06	2.7×10^{-4}	35
	27 x 25 m	70 km	7.0	$0.02''$	0.03	1.3×10^{-4}	70
SMA	8 x 6 m	500 m	1.3	$0.5''$	0.4	1.1×10^{-5}	0.05
			0.85	$0.3''$	1.0	8.0×10^{-6}	0.11
			0.37	$0.15''$	17	1.1×10^{-5}	2.0
MMA/	50 x 12 m[g]	3 km	1.3	$0.1''$	0.002	5.5×10^{-8}	0.008
LSA/			0.85	$0.06''$	0.004	2.8×10^{-8}	0.013
LMSA			0.37	$0.025''$	0.02	1.3×10^{-8}	0.09

Table 1: High resolution capabilities of current and future millimeter and submillimeter arrays.
[a]Berkeley–Illinois–Maryland Association; Institut de Radio Astronomie Millimétrique; Nobeyama Millimeter Array; Owens Valley Radio Observatory; Caltech Submillimeter Observatory–James Clerk Maxwell Telescope Interferometer (part-time); Very Large Array (part-time; upgrade to 27 Q band antennas and baseline expansion underway); Smithsonian Submillimeter Array (future); Millimeter Array, Large Southern Array and Large Millimeter and Submillimeter Array.
[b]Only selected wavebands shown for CSO–JCMT, VLA, SMA, and MMA/LSA/LMSA.
[c]Defined as $\lambda/$ max. baseline.
[d]1 σ sensitivity for 8 hours of integration time, based on observatory descriptions at time of writing.
[e]Assumes unresolved optically thin emission with an average physical temperature of 100 K at a distance of 140 pc, $\kappa_\nu = 0.1(250\mu\mathrm{m}/\lambda)$ cm^2 g^{-1}.
[f]Minimum detectable brightness temperature within highest resolution beam, using formula in main text.
[g]A nominal size for one array.