A λ=3 MM SPECTRAL LINE SURVEY OF SAGITTARIUS B2(N-LMH) WITH THE BIMA ARRAY AND NRAO 12 METER RADIO TELESCOPE

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We have initiated a 3 mm spectral line survey toward the hot molecular core Sagittarius B2(N-LMH). This is the first spectral line survey of the Sgr B2(N) region utilizing data from both an interferometer (BIMA Array) and a single-element radio telescope (NRAO 12 meter). In this survey, covering 3.6 GHz in bandwidth, we detected 237 lines (90 identified molecular transitions, 1 electronic transition, and 148 unidentified transitions). Furthermore, the data provide information that could not be obtained by either instrument alone.