

## CO J=1-0 Study of M82

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We have made aperture synthesis observations of the CO J=1-0 line emissions in the M82. The BIMA and the OVRO have surveyed the entire M82 in the CO J=1-0 line. An upper limit of the integrated intensity in the inner part of M82 has been discussed and the CO J=1-0 emission line map has been compared to the CO J=2-1 line emission map. We also discuss the line ratio of CO J=2-1/CO J=1-0 and photodissociation of CO molecules by the interstellar UV radiation field.