CO Observations of LDN 1235

Ryu Ok-Kyung, Lee Youngung, Kim Hyun-Goo Taeduk Radio Astronomy Observatory, Korea Astronomy Observatory

We present a preliminary results of CO observations of a dark cloud LDN 1235. The observations were performed in the J=1-0 transitions of ¹²CO and ¹³CO with the FCRAO 14m telescope. LDN 1235 is of special interests because it is located at high galactic latitude, and shows a peculiar morphology in radio map, which is in discord with IR maps. The gas density map was obtained with the full maps of CO isotopes, and compared with that of dust optical depth derived from infrared data of IRAS. Our results strongly indicate that LDN 1235 is a nearby star forming site.