

relative flux difference (CO 2-1) [%]

10^0

10^1

$$n(H_2) = 1.0 \times 10^2$$

$$n(H_2) = 2.0 \times 10^3$$

$T_{\text{kin}} [\text{K}]$

10^2
 10^1

$$n(H_2) = 5.0 \times 10^4$$

$$n(H_2) = 1.0 \times 10^6$$

$T_{\text{kin}} [\text{K}]$

10^2
 10^1

$10^{13} \quad 10^{14} \quad 10^{15} \quad 10^{16} \quad 10^{17} \quad 10^{18}$

CO column density [cm^{-2}]

CO column density [cm^{-2}]

$10^{13} \quad 10^{14} \quad 10^{15} \quad 10^{16} \quad 10^{17} \quad 10^{18}$