

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

$10^0$

$10^1$

$n(H_2) = 10^3 \text{ cm}^{-3}$

$n(H_2) = 10^4 \text{ cm}^{-3}$

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

$10^3$

$10^2$

$10^1$

$n(H_2) = 10^6 \text{ cm}^{-3}$

$n(H_2) = 10^8 \text{ cm}^{-3}$

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

$10^3$

$10^2$

$10^1$

$10^{13}$

$10^{14}$

$10^{15}$

$10^{16}$

$10^{17}$

$10^{18}$

CO column density [ $\text{cm}^{-2}$ ]

CO column density [ $\text{cm}^{-2}$ ]

