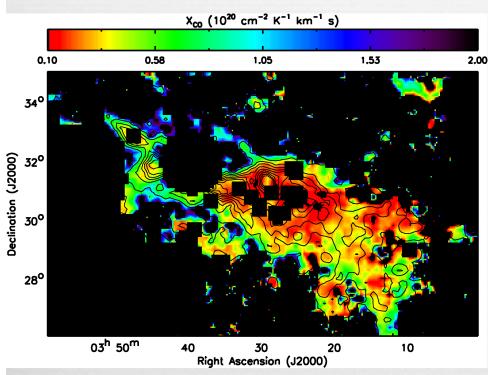
## X<sub>CO</sub> across the Perseus molecular cloud Min-Young Lee (UW-Madison) et al.



1) X<sub>CO</sub> image on sub-pc (~0.4 pc) scales

- 2) Spatial variation of  $X_{CO}$
- 3) Comparison between the observed  $X_{CO}$  vs.  $A_{V}$  with the steady-state model by Wolfire et al. (2010)
- (cf.) MHD model by Shetty et al. (2011)

