0.75 + $E_{IJ} = 4.14 \text{ K}$ 0.75  $E_U = 4.14 \text{ K}$ 0.75  $E_U = 4.14 \text{ K}$  $log_{10}(A_{i,i}) = -4.65$  $log_{10}(A_{i,i}) = -4.65$  $log_{10}(A_{i,i}) = -4.65$ 0.50 -0.50 0.50 0.25 -0.25 0.25

 $H^{13}CN$ , reg,  $T_{rot} = 150.0$  K,  $N_{tot} = 1e + 14$  cm<sup>-2</sup>,  $v_{cen} = 40.0$  km s<sup>-1</sup>,  $v_{disp} = 1.5$  km s<sup>-1</sup>

