CS, core,  $T_{rot} = 50.0 \text{ K}$ ,  $N_{tot} = 4\text{e}+13 \text{ cm}^{-2}$ ,  $v_{cen} = 40.0 \text{ km s}^{-1}$ ,  $v_{disp} = 1.5 \text{ km s}^{-1}$ 

