Peak Separation Δv_{PR} as a function of Rotational temperature T_{rot} $B = 0.005 cm^{-1}$ 7 - $B = 0.01 cm^{-1}$ $B = 0.05 cm^{-1}$ 6 -Peak Separation $\Delta \nu_{PR}$ (in cm^{-1}) 2 -10 20 30 50 60 40 70 Rotational temperature T_{rot} (in K)