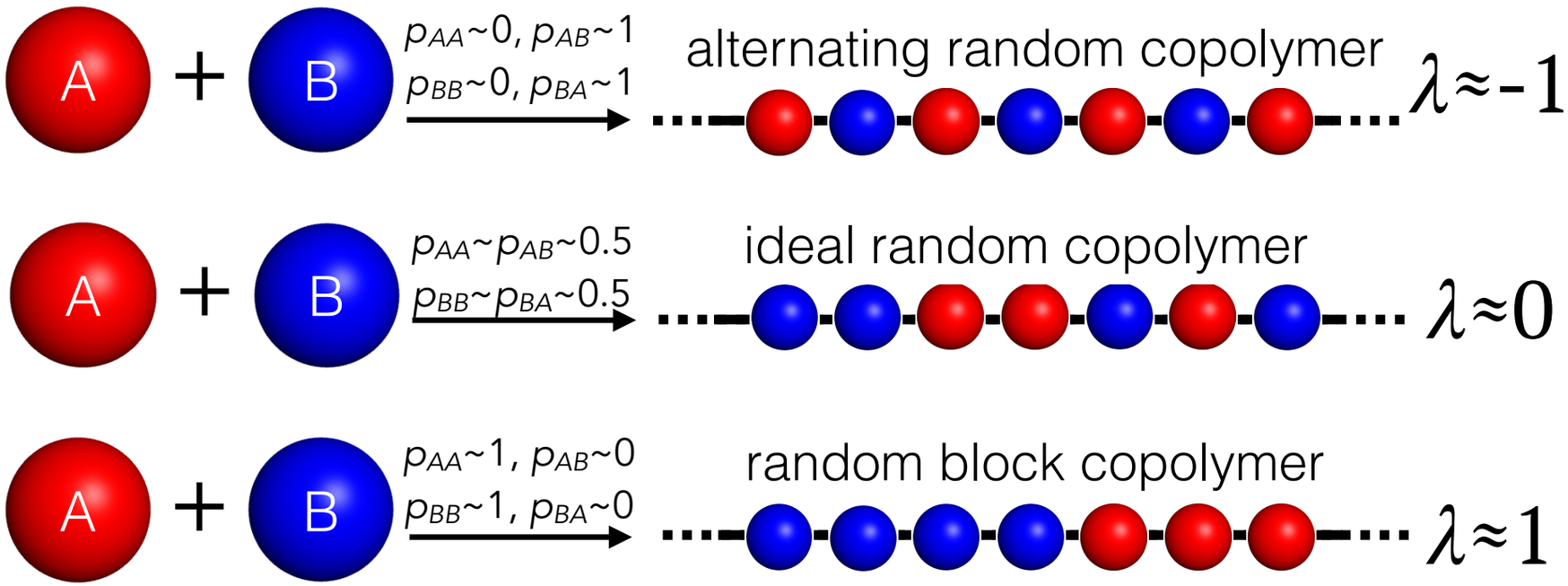
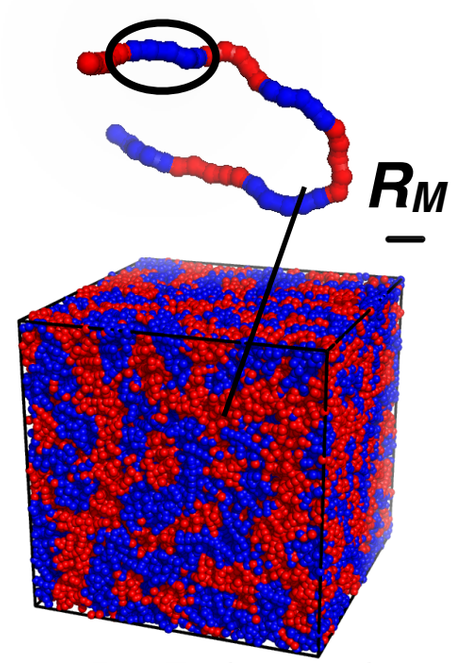
Model: Chemical and Structural Correlations



Monte-Carlo simulation with λ=-0.75

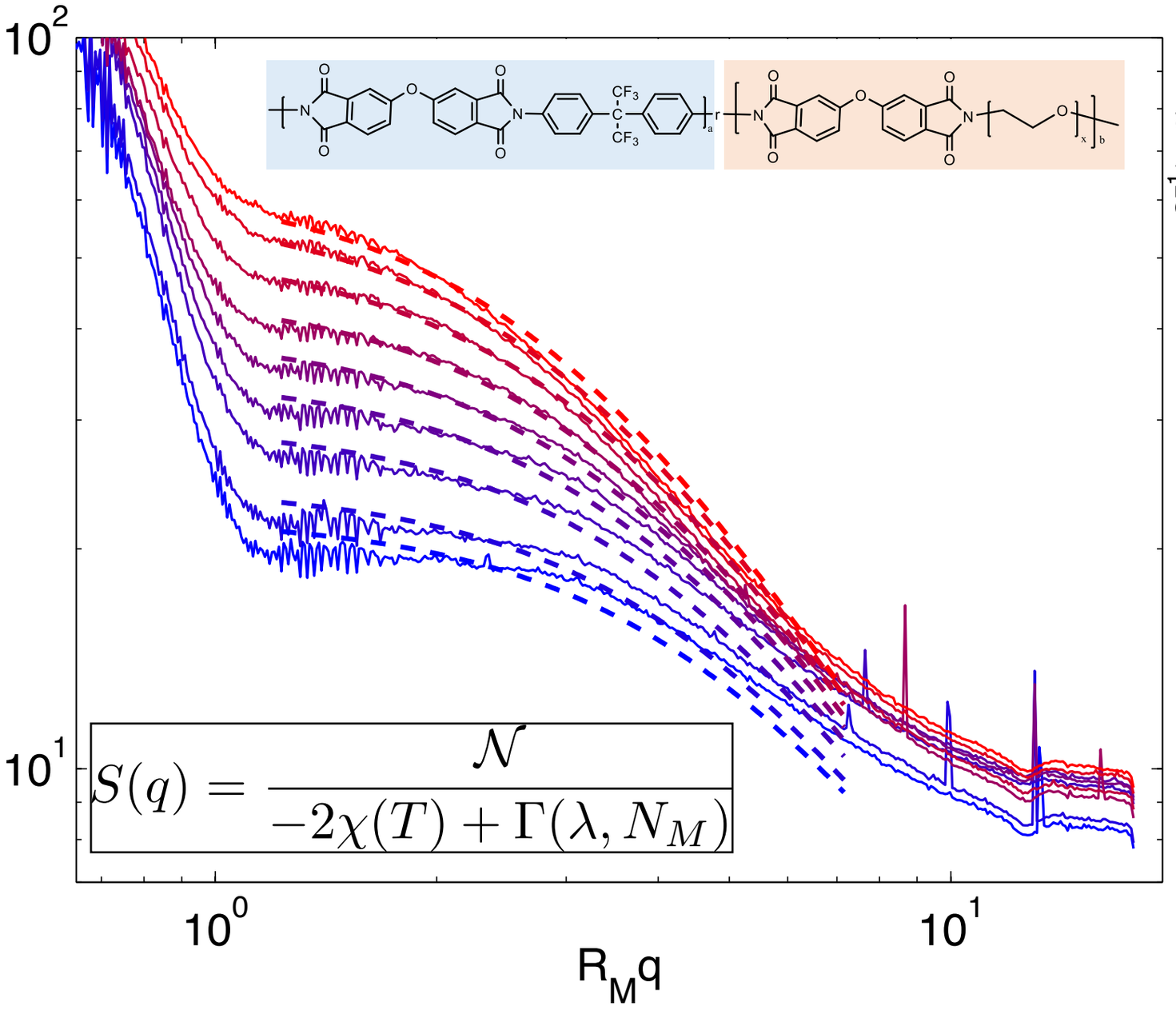


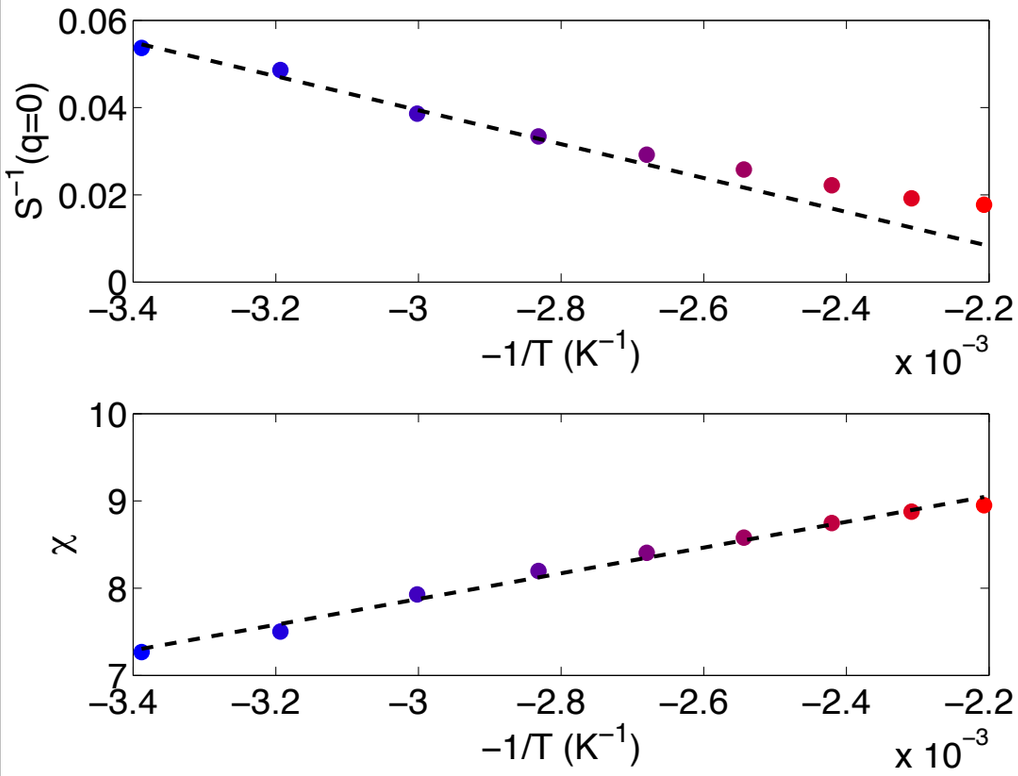
R_M=End-to-end size of a chemical unit

Key Parameters

- Chemical correlation λ
- Number of Kuhn steps/monomer N_M

Temperature Ramping ODPA-AP6F-PEG1500 (30%wt)

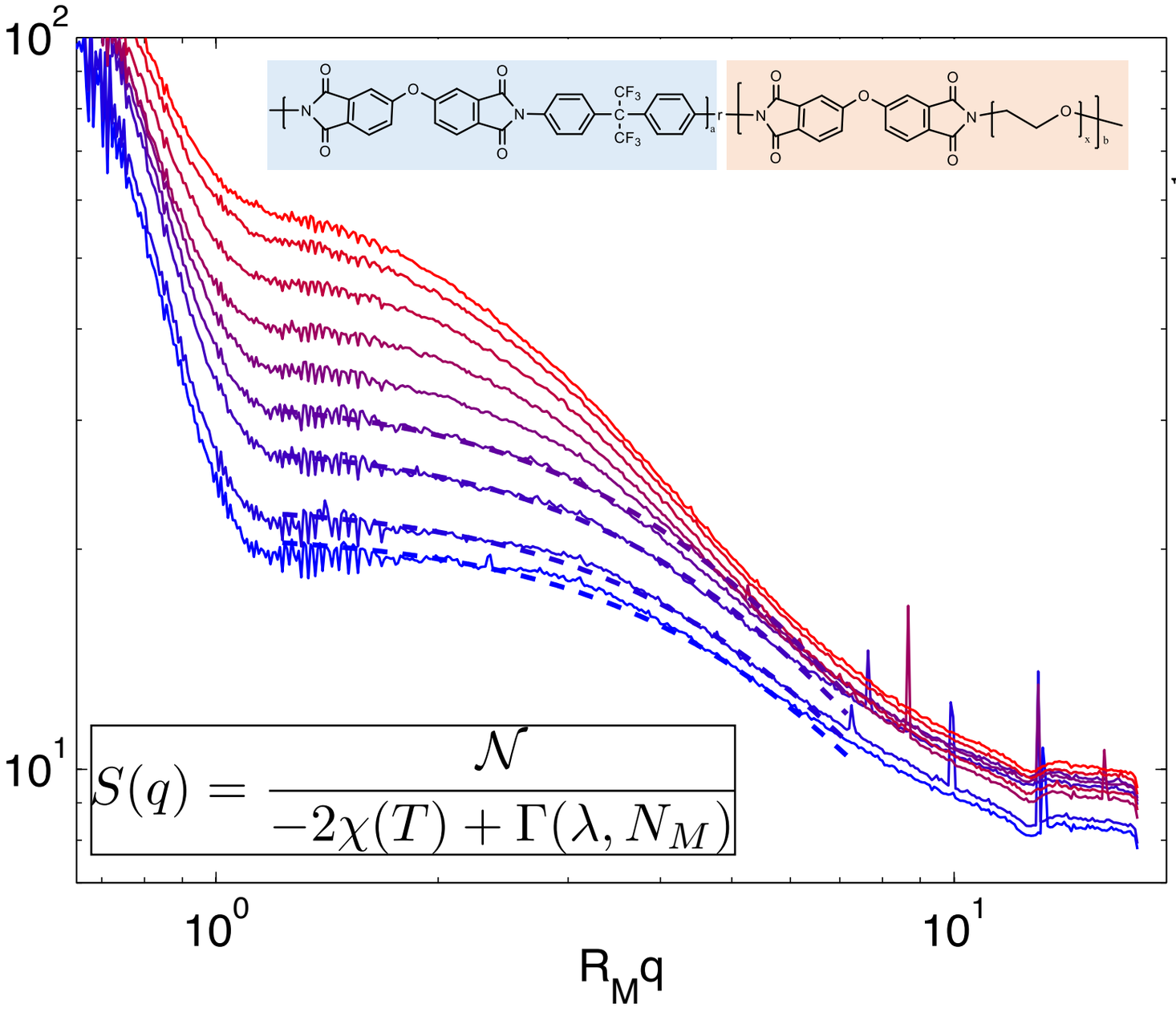


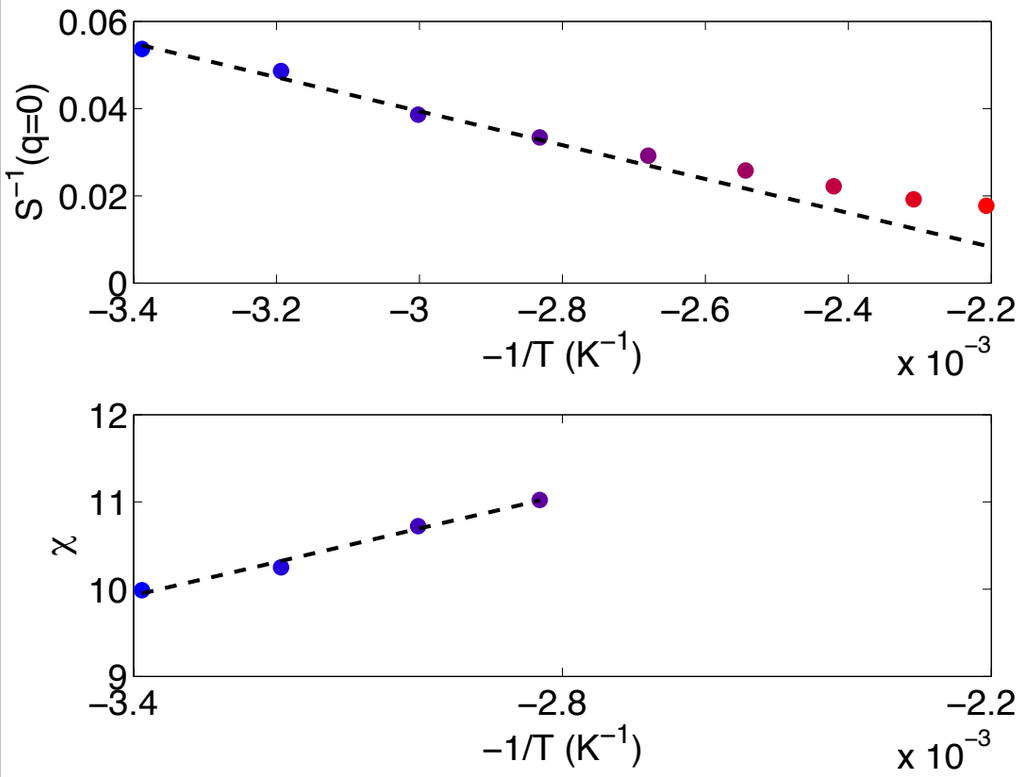


(n_T+3 parameters fit)

Alternative Fitting for Temperature Ramping ODPA-AP6F-PEG1500 (30%wt)

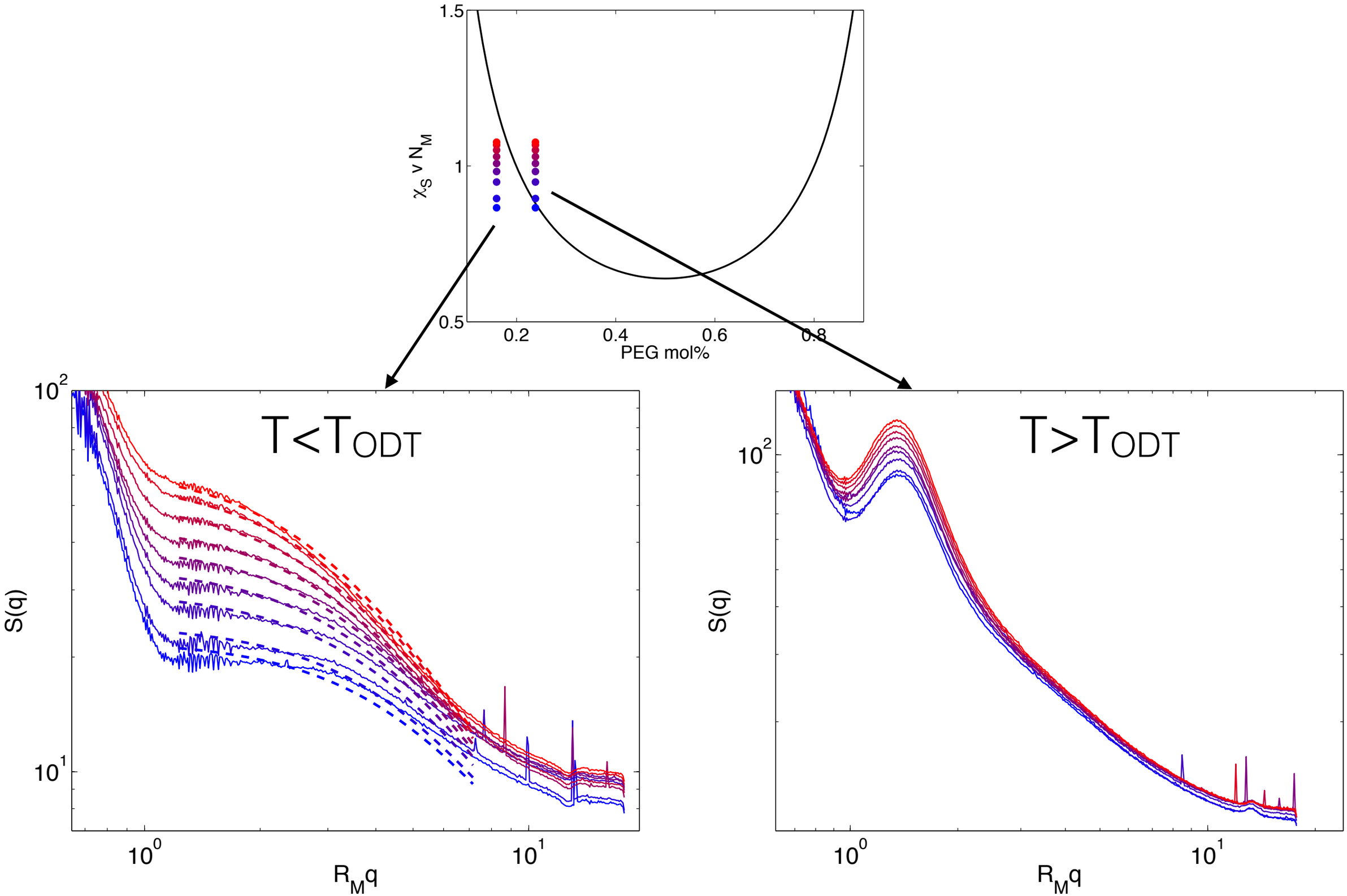
(Only use low temperature SAXS)



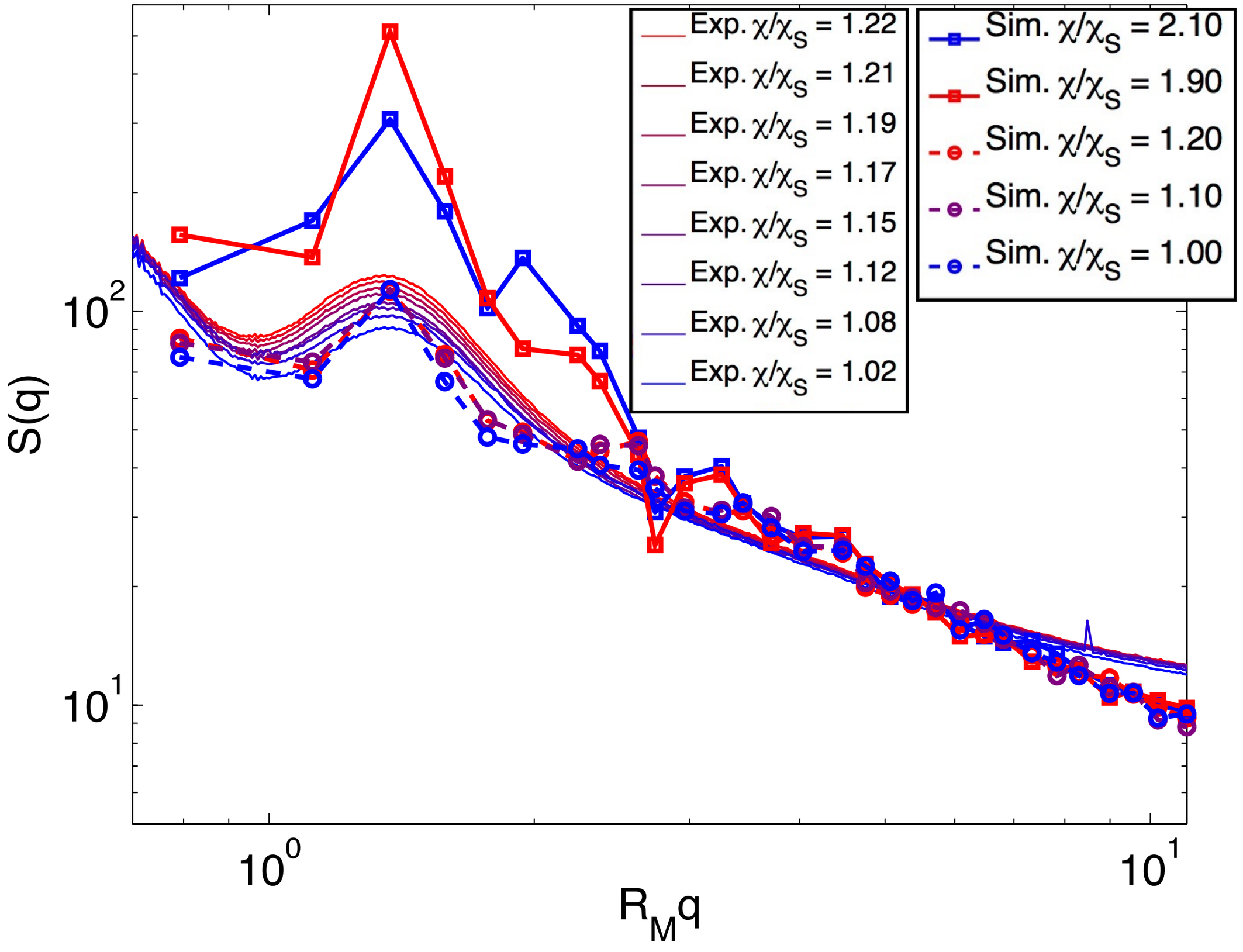


(n_T+3 parameters fit)

Weight Percentage Effect of ODPA-AP6F-PEG1500 (30% and 40%wt)

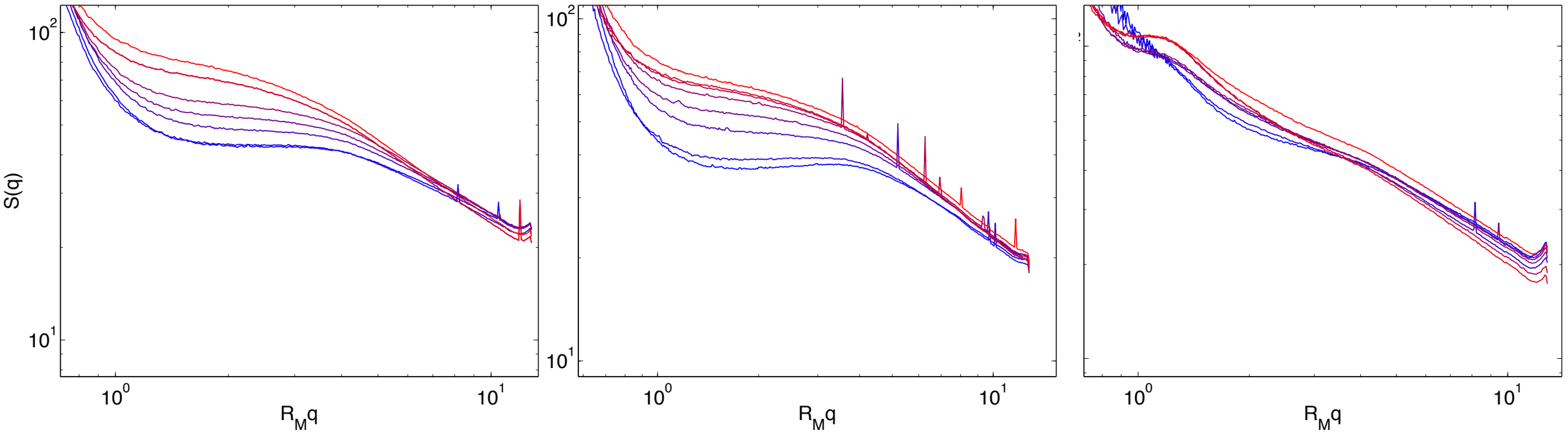


SAXS Comparison with Simulation (ODPA-AP6F-PEG1500 40%wt)



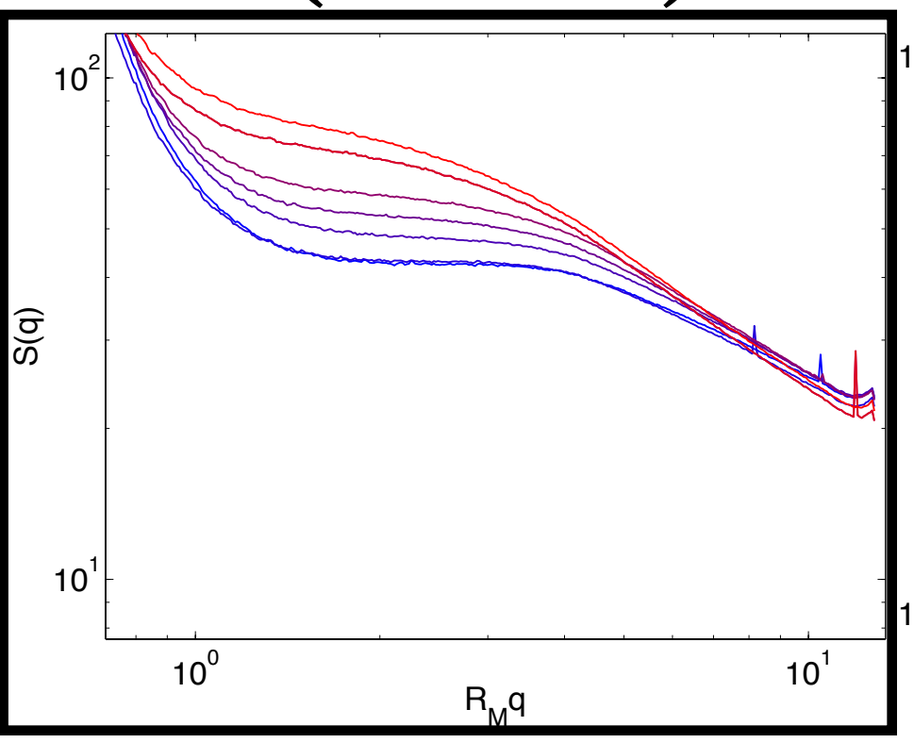
Temperature Ramping ODPA-AP6F-PEG900

(30%wt) (35%wt) (40%wt)

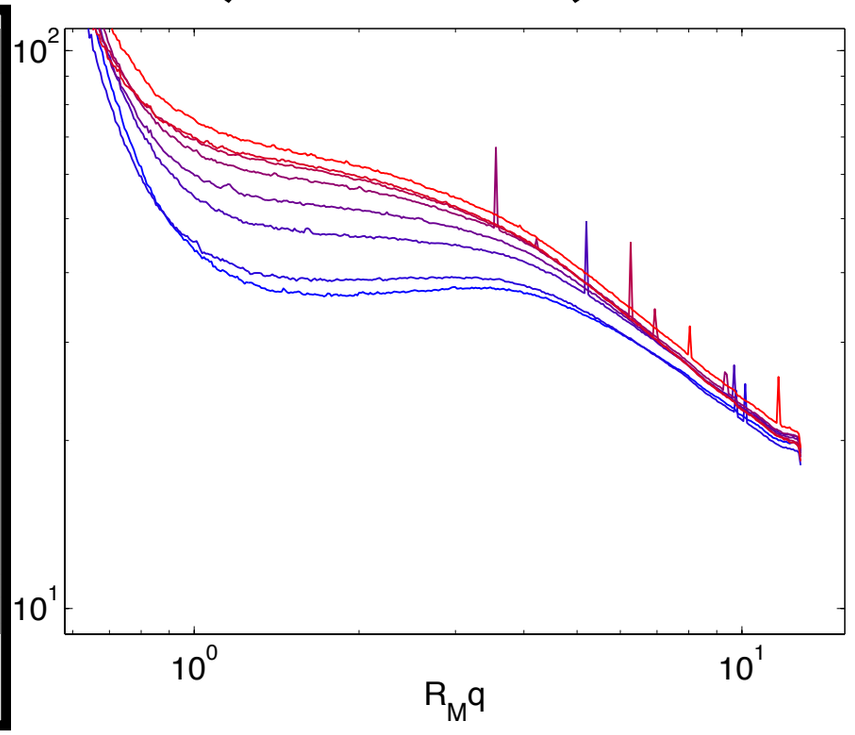


Temperature Ramping ODPA-AP6F-PEG900

(30%wt)



(35%wt)



(40%wt)