

NMRLipids IV: Other than PC headgroups

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INTRODUCTION

Primarily measured but also simulated NMR order parameters will be collected also for other than phosphatidylcholine (these are discussed in NMRLipids I) headgroup. The information will be used to understand structural differences between different lipid molecules in bilayers.

SUPPLEMENTARY INFORMATION

COMPARISON OF ORDER PARAMETERS BETWEEN DIFFERENT HEADGROUPS

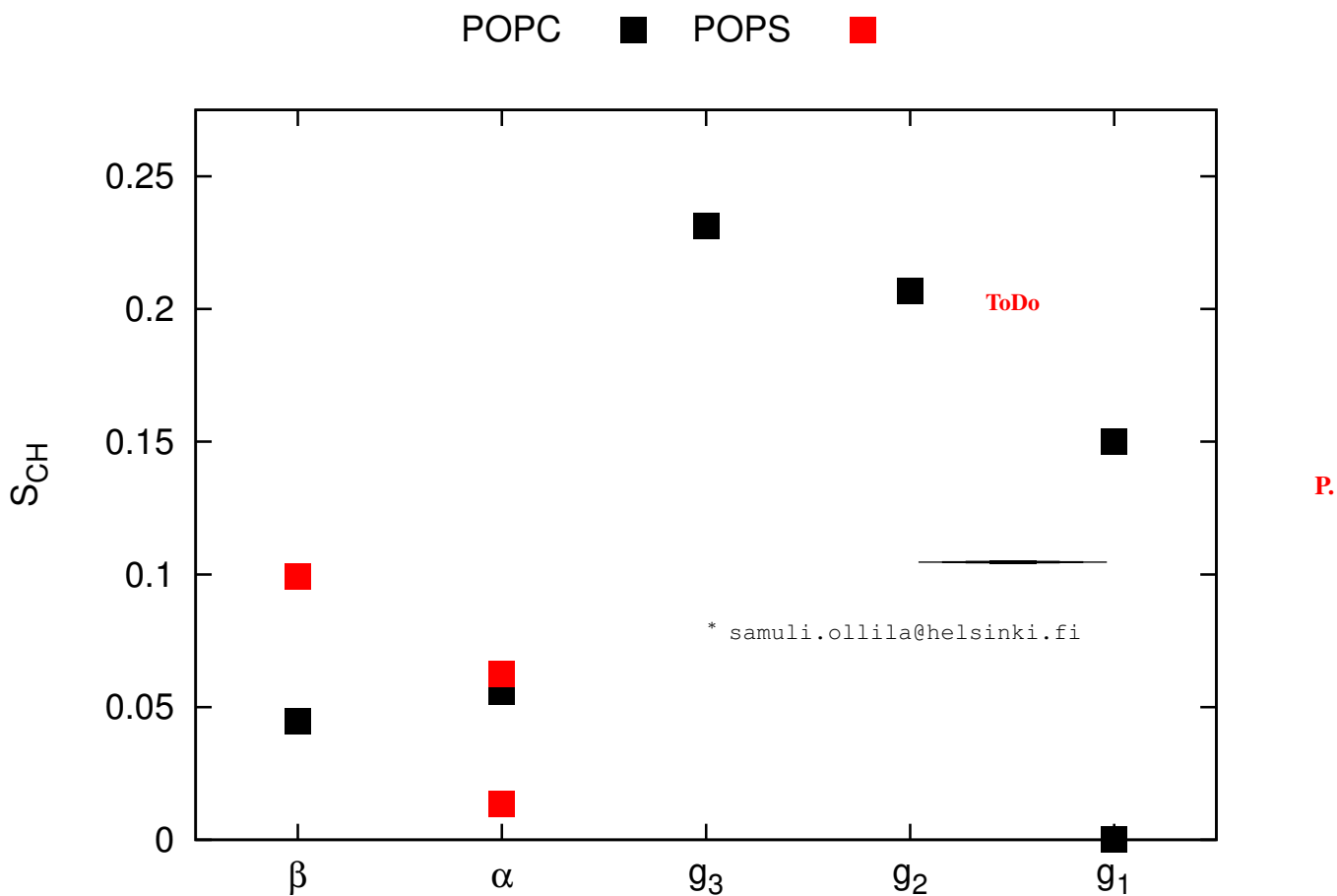
Experimental order parameters for different lipid headgroups are collected in Fig. 1.

ION BINDING IN BILAYERS WITH CHARGED LIPIDS

Headgroup order parameters as a function of CaCl concentration from experiments with charged lipids are shown in Figs 2 and 3.

Order parameter changes are shown in Fig. 4

CONCLUSIONS



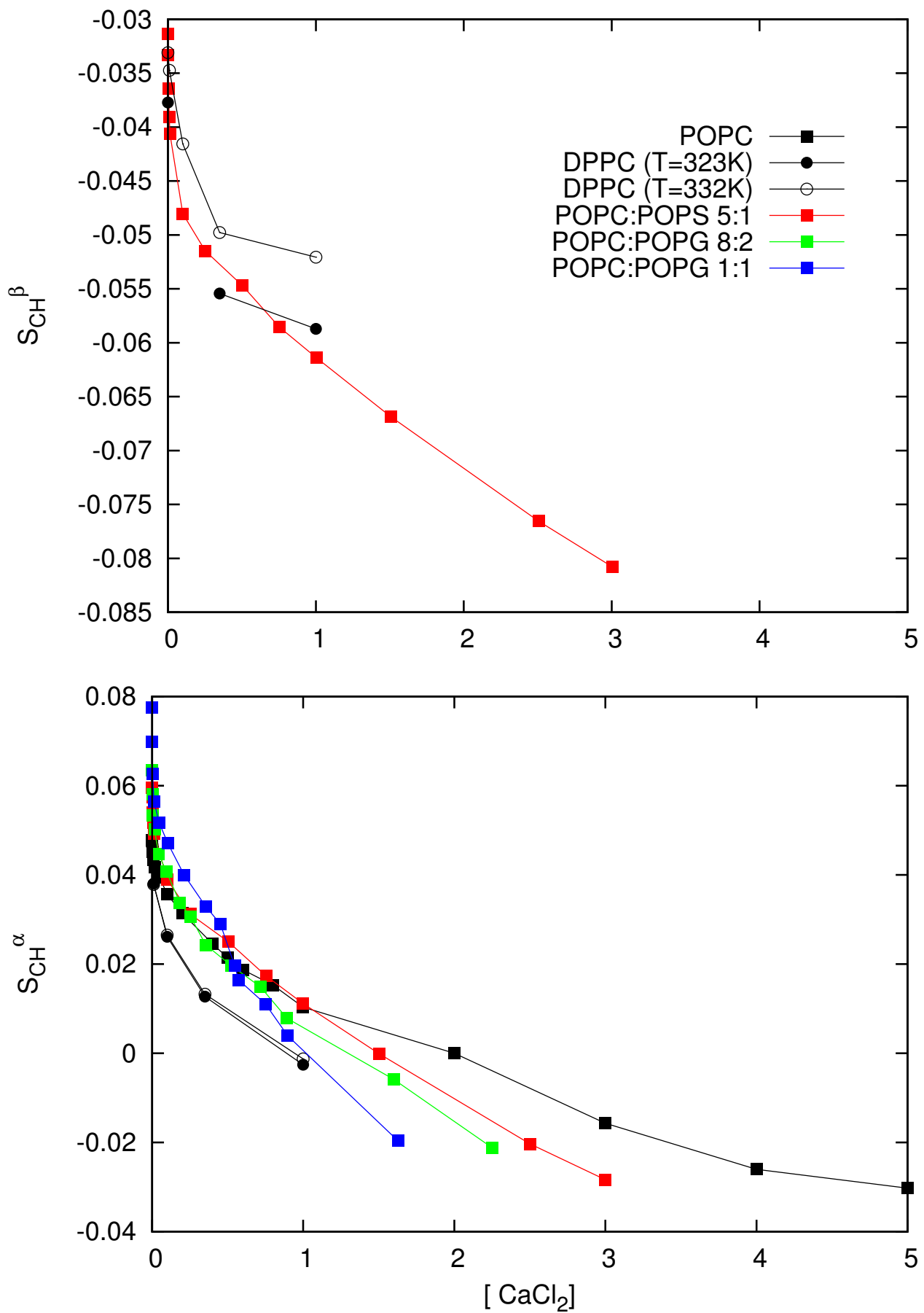


FIG. 2: PC headgroup order parameters as a function of CaCl concentration for systems with charged lipids.

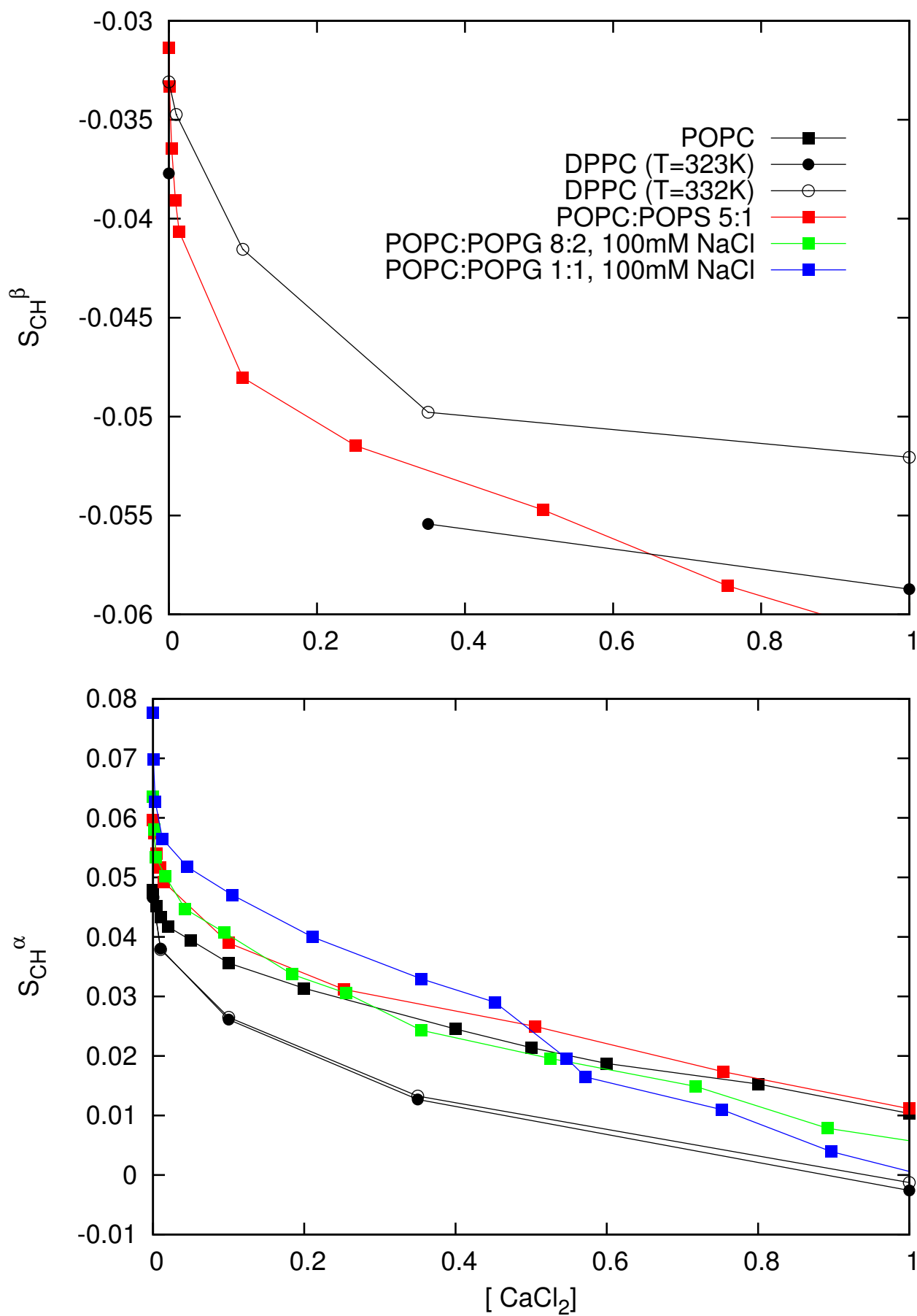


FIG. 3: Figure 2 zoomed to smaller concentrations.

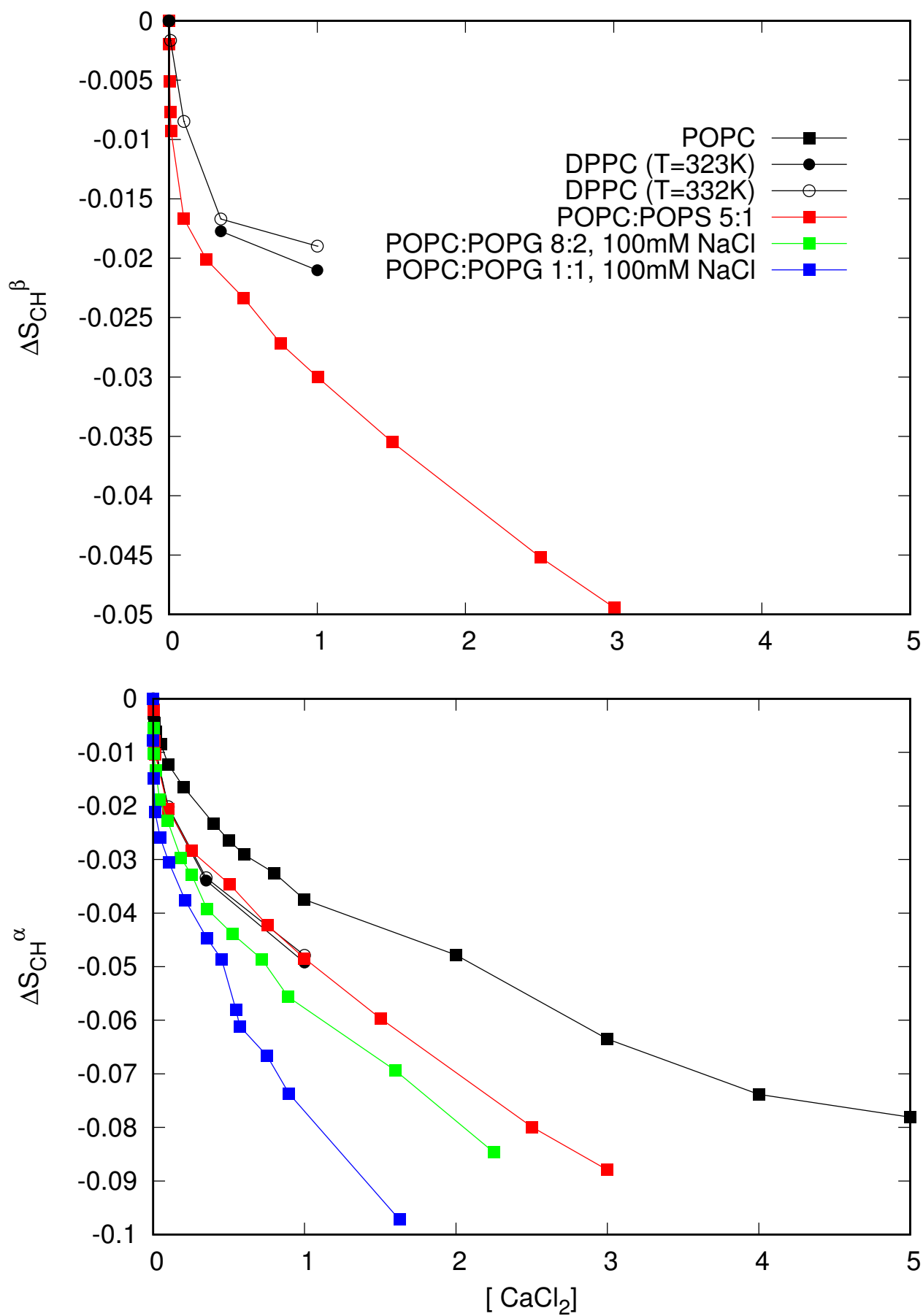


FIG. 4: Changes in order parameters