

# Rodlike Complexes of a Polyelectrolyte (Hyaluronan)

## and a Protein (Lysozyme) observed by SANS

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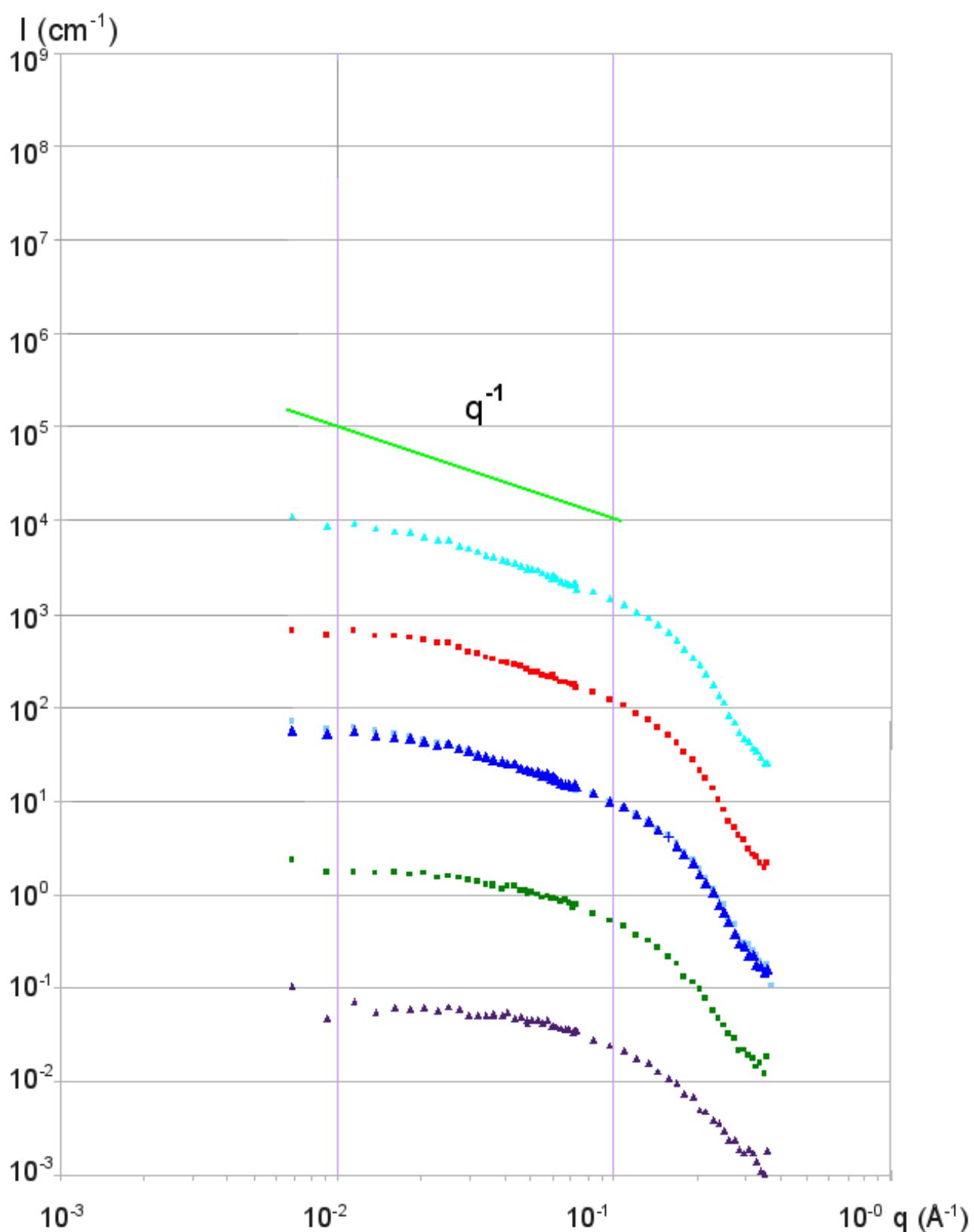
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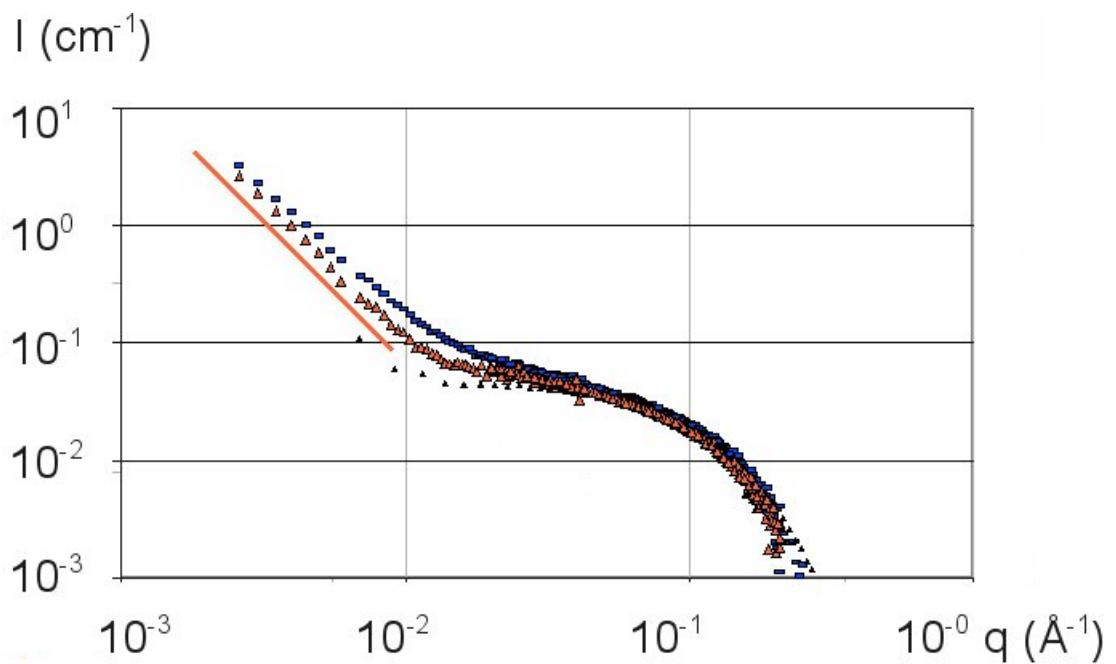
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## Supporting Information.

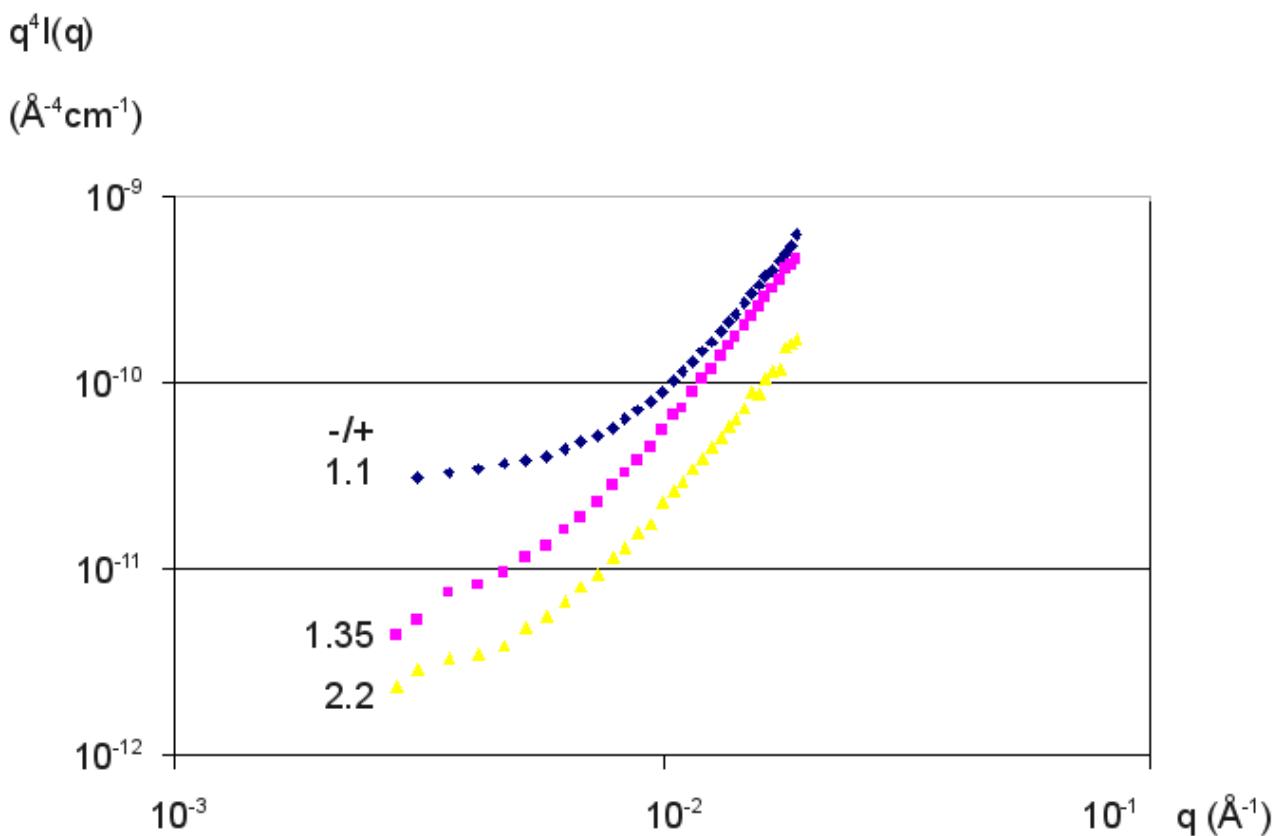
Contains Figure SI.1, SI.2 and SI.3.



**Figure SI.1.** SANS scattering  $I(q)$  at pH = 7.4 shifted by a factor 10, for sample of Ha1 (small mass, 10g/L) and lysozyme:  $\blacktriangle$ : 40g/L (shaken),  $\blacksquare$ : 40g/L,  $\blacksquare$ : 40g/L \* (2/3),  $\blacktriangle$ : 27g/L,  $\blacksquare$ : 8g/L,  $\blacktriangle$ : 3g/L .For symbols 40g/l of lysozyme  $I(q)$  normalized by 27/40= 2/3 for comparison.



**Figure SI.2.** SANS scattering  $I(q)$  at pH = 7.4 : ■ for sample of HA2 (10g/L) plus lysozyme 3.32g/L; ▲:same signal subtracted from the scattering of pure HA solution at same HA concentration; ▲scattering of pure lysozyme solution at same concentration.



**Figure SI.3.** SANS scattering plotted as  $q^4 I(q)$  as a function of  $q$  for samples of Ha1 (small chains, 10g/L) and lysozyme for charge ratio  $-/+ = 0.45, 0.68$  and  $0.9$  at pH 4.7, 0.1 M (same data as in upper curves of Figure 2 in the text).