CONCENTRATED ASSEMBLIES OF MAGNETIC NANOPARTICLES IN IONIC LIQUIDS

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SUPPLEMENTARY INFORMATION

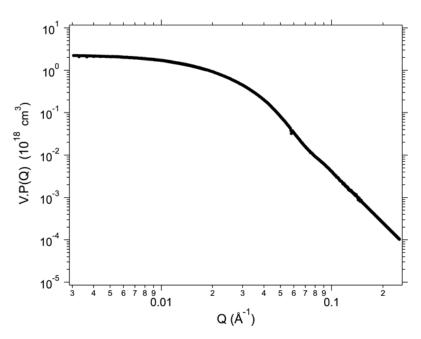


FIGURE 1. Experimental form factor P(Q) for the maghemite particles used in the present work, normalized to the maghemite/EAN contrast $\Delta \rho^2$ and to a volume fraction of particles $\Phi{=}0.01$

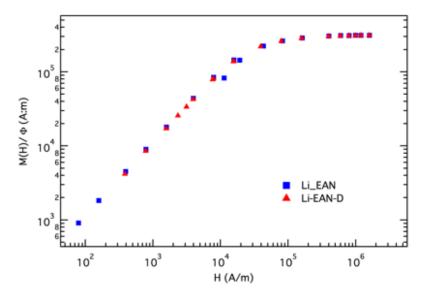


FIGURE 2. Magnetization M normalized by the volume fraction Φ for the two dilute samples with lithium counterions, Li-EAN and Li-EAN-D.

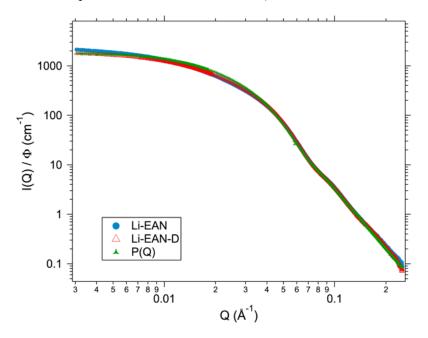


FIGURE 3. Normalized SAXS intensity for dilute Li samples in EAN. Comparison with the normalized form factor P(Q).

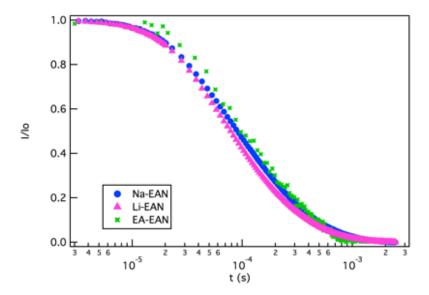


FIGURE 4. Normalized intensity versus time extracted from magneto-optic birefringence experiments on the dilute samples in EAN with the three different initial counterions in water (samples of Table 2 in the article).

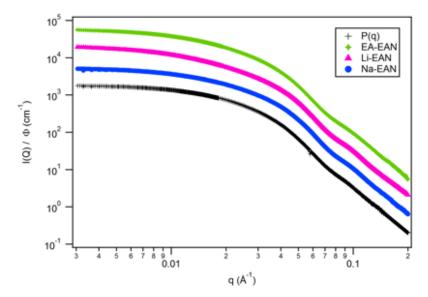


FIGURE 5. SAXS intensity for the dilute phases of the three two-phases samples with the three initial counterions (samples of Table 2 in the article), and experimental form factor. The curves are shifted for clarity by a factor of 3.