



FIGURE 4: Adsorption isotherm of DPPC multibilayers for different types of cations at 59 °C. The quadrupole splittings of DPPC- α - and - β -CD₂ are plotted as a function of ion concentration. Only the size, but not the sign, of the quadrupole splitting can be measured. (Open symbols) 30 mg of lipid was dispersed in 30 mL of buffer and centrifuged to form a pellet; no buffer was used for LaCl₃ dispersions (pH ~5); (closed symbols) constant lipid concentration of 70 mM DPPC in buffer (cf. Materials and Methods); (crossed symbols) in addition to CaCl₂ and LaCl₃ the dispersion contained 1 M NaCl.