



Fig. 5: Arrhenius plot of average hydration water relaxation times: blue circles: lysozyme (QENS, Chen et al.[]), red squares: lysozyme SERS (Magazu et al. []), open red squares: ERS lysozyme (this work), open squares: D-PC (QENS, Doster et al. []), diamonds: D-NMR myoglobin (Vogel et al.[]) open triangles: dielectric relaxation, myoglobin [Swenson et al.[]] full triangles: protein relaxation rate (myoglobin)[], green circles: myoglobin (ERS and Mössbauer effect (fig. 1)