Supporting information for

Muon studies of Li⁺ diffusion in LiFePO₄ nanoparticles of different polymorphs

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Figure S1: XRD patterns of LiFePO₄ products obtained using (a) ethylene glycol as a solvent and (b) EMI-TFMS as a solvent for increasing reaction temperatures. A mixture of α - and β -LiFePO₄ is always observed for the ethylene glycol reactions, while no β -phase is detected in the case of the ionic liquid where temperatures above 250°C are required to obtain the products.