Supplementary Information

Figure A: First electrochemical cycle of Li$_{1.1}$(Ni$_{1/3}$Mn$_{1/3}$Co$_{1/3}$)$_{0.9}$O$_2$ and graphite electrodes in a coin-like cell for comparison with the electrochemistry of these active materials in the \textit{in situ} neutron powder diffraction (NPD) cell.