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Diffraction-based studies of lithium distribution in 18650-type Li-ion cells at multiple length scales

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In the current contribution an overview and application of non-destructive of selected diffraction-based tools for spatially-resolved studies of closed electrochemical systems (on example of cylinder-type Li-ion batteries) is reported. Experimental methods will cover various-type of spatially-resolved diffraction and diffraction based tomography applying neutron scattering and high-energy photons. Example of studies on different scales will be presented in brief.

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