

## **In Operando Depth Profiling Studies of Thick NMC Cathodes**

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In order to understand the nature of their transport limitations, thick NMC cathodes have been studied in operando using synchrotron radiation. From this data, the state of charge (SOC) of cathode films were determined with high spatial and temporal resolution, allowing the behavior at different heights within the film to be independently followed. A number of unexpected phenomena present in the cycling data will be discussed.