

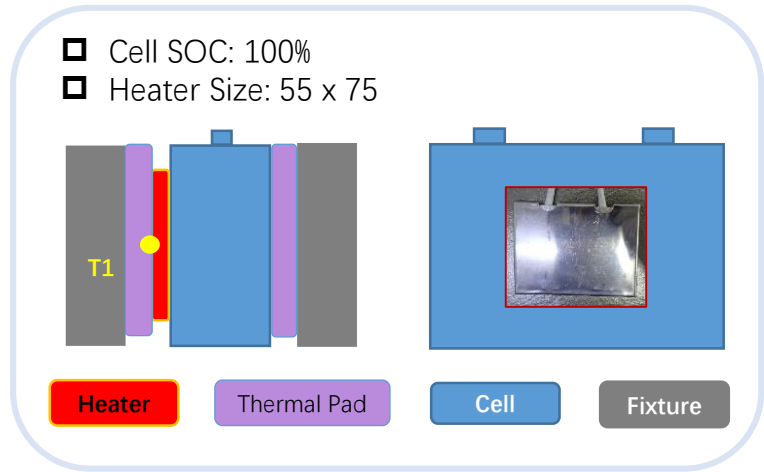
External Heating Results on NCM and LFP

China

2024/1

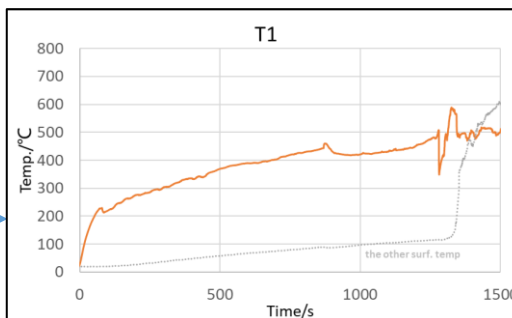
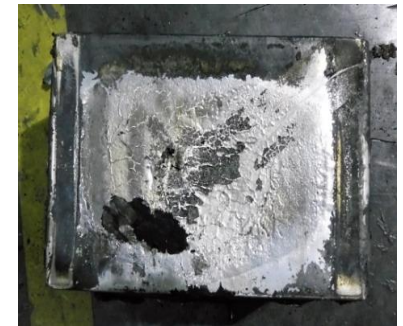
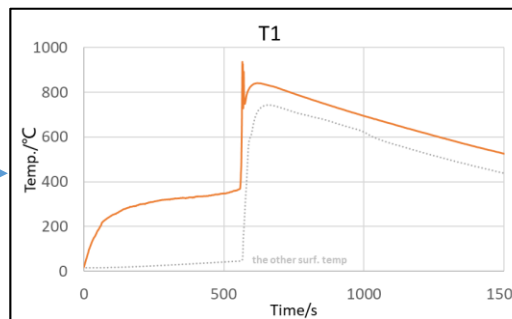
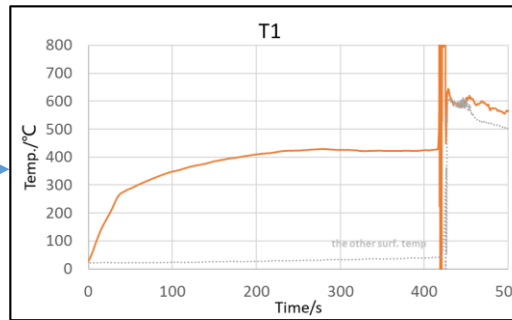
Summary of Results

Testing Protocol



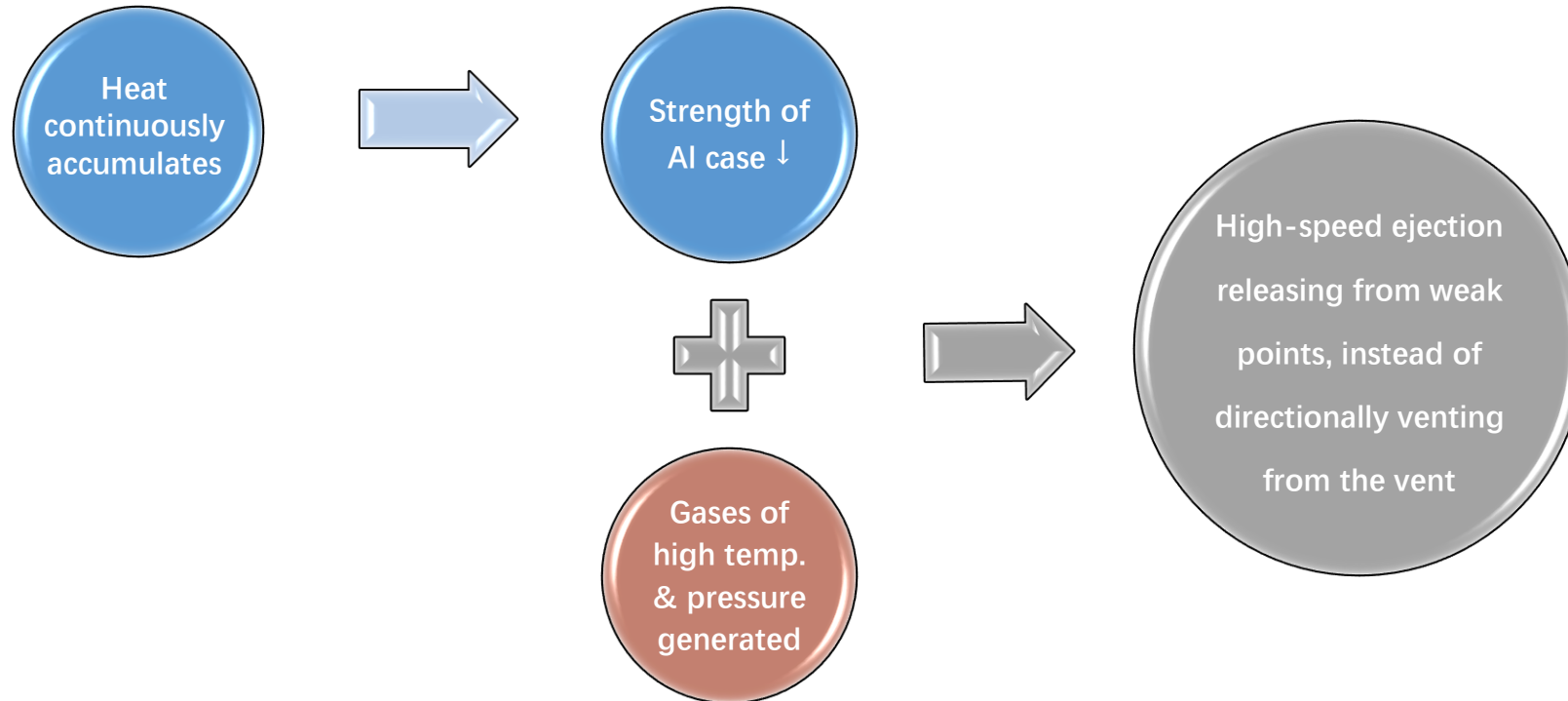
Thermal Runaway Results

DUT	Cell Information	Surf. Area Ratio (Heater to Cell)	State of AI Case
1	Ni-Rich NCM: 51*195*105, 629Wh	~20%	Broken
2	HV NCM: 52*148*102, 431Wh	~25%	Risk of Melting
3	LFP: 51*196*106, 470Wh	~20%	Normal



Concerns

- NCM cells under external heating may have surface damage



- ✓ Proposal: Prefer other methods to trigger Ni-rich NCM and HV NCM with a risk of Al case melting or any other performance degradation under external heat