25th International Conference on Magnet Technology (MT25), Amsterdam, Netherlands,



ACTUAL CASES OF THEIMAL FUNAWAY (I.K.) • LHe (4.2 K) • Insula								
		Inner coil (Impregnated)	Number of layer	Central Magnetic field (<i>T</i>)	J _{cond} (A/mm²)	$I_{op} (A)$ $\times V_{coil} (mV)$ $=> P_{coil} (W)$	Thermal runaway or not	Degradation mod (Degraded length
	(1)	REBCO (SP) (Epoxy)	4	11.4	1025	410 x 0.9 => 0.37	None.	Composite stress (Several mm $\sim \frac{1}{F}$ several tens mm)
	(2)	REBCO (SP) (Epoxy)	8	17 .7	803	321 x 2.3 => <mark>0.72</mark>	T.R.	Buckling (Several mm) \xrightarrow{F}
	(3)	REBCO (Fujikura) (Paraffin)	74	25	284	210 x 2.2 => 0.46	None.	Cleavage · Peeling (Several tens mm)
	(4)	REBCO (Fujikura) (Paraffin)	76	27.6	389	288 x 1.4 => 0.4	T.R.	Missing
	(5)	Bi-2223 (SEI) (Paraffin)	6	17.7	383	500 x 3 => 1.5	None.	Over hoop strain (one turn order)

