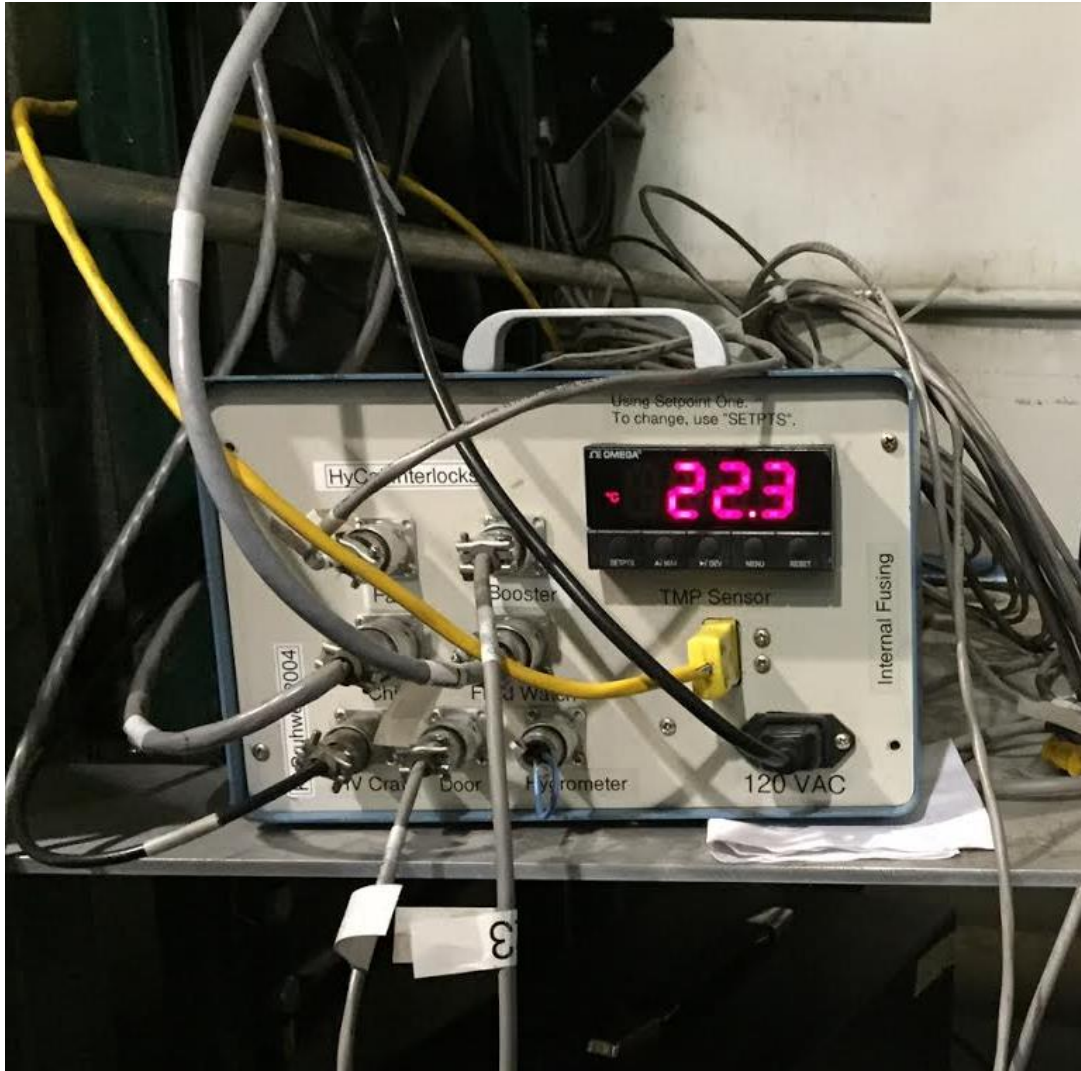# Status of HyCal

- High voltage is turned on for all the channels
  - Under voltage problem, G900, G145, the voltage is much lower than the set value
  - W1152 had this problem, but got working after a few minutes

- Got LMS signals from LMS_PMTs and HyCal modules
  - We are testing all the signals channel by channel
  - For each HyCal channel, we record the set voltage, the amplitude of LMS signal, the time difference with LMS_PMT, and abnormal behavior.
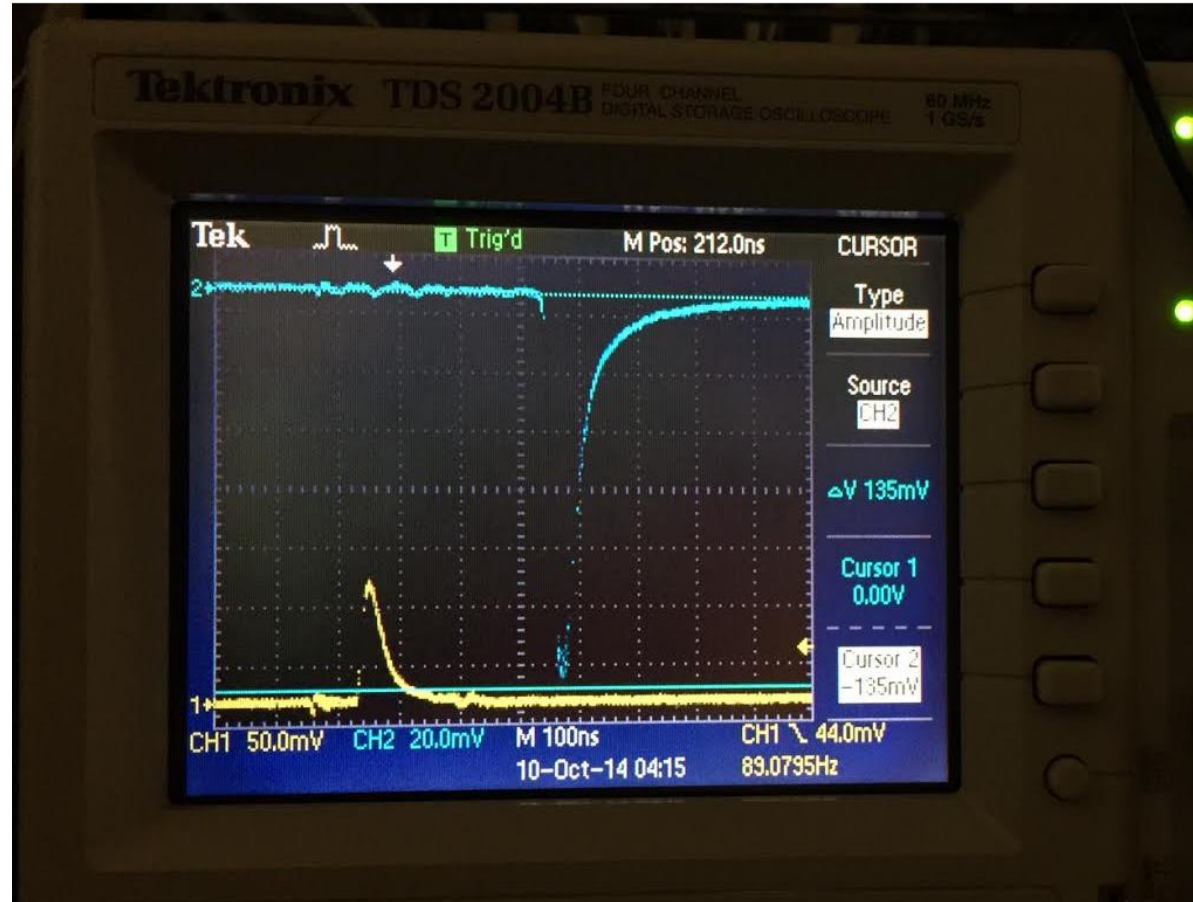
Interlock and chiller

High voltage control

Signals

- Blue, anode of HyCal channel

- Yellow, dynode of LMS_PMT2

Check / Notes	Name	ID	VPCB (mV)	δV (mV)	Hy_Co n	Hy_Pin	δT (nS)	Crate	Slot	Channel	Connector	Trigger	HV_Con	HV_Pin	HV_crate	HV_slot	HV_chan
✓	G25	25	1368.8	120.0	1	1	320	6	24	31	1	TGG5	1	1	1	0	3
✓	G26	26	1380.8	140.	1	2	320	6	24	30	2	TGG5	1	2	1	0	8
✓	G27	27	1359.8	82	1	3		6	24	29	3	TGG5	1	3	1	0	13
✓	G28	28	1442.6	58	1	4	320	6	24	28	4	TGG5	1	4	1	0	18
✓	G29	29	1376.8	120	1	5		6	24	27	5	TGG5	1	5	1	0	23
△ (shaking, grounding issue)	G30	30	1419.8	120	1	6		6	24	26	6	TGG5	1	6	1	0	28
✓	G55	55	1319.4	82	1	7		6	24	25	7	TGG5	1	7	1	0	33
✓	G56	56	1369.6	105	1	8		6	24	24	8	TGG5	1	8	1	0	38
✓	G57	57	1397.6	24	1	9		6	24	23	9	TGG5	1	9	1	0	43
△ (shaking (grounding?))	G58	58	1446.6	65	1	10		6	24	22	10	TGG5	1	10	1	0	48
△ (shaking)	G59	59	1429.8	145	1	11		6	24	21	11	TGG5	1	49	1	0	31
✓	G60	60	1341.4	100	1	12		6	24	20	12	TGG5	1	12	1	0	5
✓	G85	85	1348.4	135	1	13		6	24	19	13	TGG5	1	13	1	0	10
✓	G86	86	1347.4	90	1	14		6	24	18	14	TGG5	1	14	1	0	15
✓	G87	87	1377.0	98	1	15		6	24	17	15	TGG5	1	15	1	0	20
✓	G88	88	1390.2	90	1	16		6	24	16	16	TGG5	1	16	1	0	25
✓	G89	89	1393.0	120	1	17		6	24	15	17	TGG5	1	17	1	0	30
✓	G90	90	1477.0	120	1	18		6	24	14	18	TGG5	1	18	1	0	35
✓	G115	115	1268.8	105	1	19		6	24	13	19	TGG5	1	19	1	0	40
✓	G116	116	1347.2	100	1	20		6	24	12	20	TGG5	1	20	1	0	45
✓	G117	117	1333.2	100	1	21		6	24	11	21	TGG5	1	50	1	0	36
✓	G118	118	1344.8	76	1	22		6	24	10	22	TGG5	1	22	1	0	2
✓	G119	119	1329.8	76	1	23		6	24	9	23	TGG5	1	23	1	0	7
✓	G120	120	1314.2	105	1	24		6	24	8	24	TGG5	1	24	1	0	12
✗ UNV	G145	145	1453.2		1	25		6	24	7	25	TGG5	1	25	1	0	17
✓	G146	146	1346.6	110	1	26		6	24	6	26	TGG5	1	26	1	0	22
✓	G147	147	1375.0	95	1	27		6	24	5	27	TGG5	1	27	1	0	27
✓	G148	148	1359.8	103	1	28		6	24	4	28	TGG5	1	28	1	0	32
✓	G149	149	1297.8	114	1	29		6	24	3	29	TGG5	1	29	1	0	37
✓	G150	150	1344.0	120	1	30		6	24	2	30	TGG5	1	30	1	0	42
✓	G175	175	1409.0	130	1	31		6	24	1	31	TGG5	1	31	1	0	47
✓	G176	176	1361.0	120	1	32		6	24	0	32	TGG5	1	51	1	0	41
✓	G475	475	1317.4	88	2	1		6	24	63	91	TGG15	2	43	1	2	1
✓	G476	476	1342.0	138	2	2		6	24	62	92	TGG15	2	44	1	2	6
✓	G477	477	1378.4	73	2	3		6	24	61	93	TGG15	2	45	1	2	11
✓	G478	478	1312.0	45	2	4		6	24	60	94	TGG15	2	46	1	2	16
✓	G479	479	1406.0	45	2	5		6	24	59	95	TGG15	2	47	1	2	21
✓	G480	480	1328.0	80	2	6		6	24	58	96	TGG15	2	48	1	2	26
✓	G505	505	1310.0	120	2	7		6	24	57	97	TGG15	3	1	1	4	3
✓	G506	506	1376.4	135	2	8		6	24	56	98	TGG15	3	2	1	4	8
✓	G507	507	1357.4	43	2	9		6	24	55	99	TGG15	3	3	1	4	13
✓	G508	508	1295.4	78	2	10		6	24	54	100	TGG15	3	4	1	4	18
✓	G509	509	1291.0	93	2	11		6	24	53	101	TGG15	3	5	1	4	23
✓	G510	510	1301.2	84	2	12		6	24	52	102	TGG15	3	6	1	4	28
✓	G535	535	1282.0	87	2	13		6	24	51	103	TGG15	3	7	1	4	33
✓	G536	536	1360.8	100	2	14		6	24	50	104	TGG15	3	8	1	4	38
✓	G537	537	1365.6	110	2	15		6	24	49	105	TGG15	3	9	1	4	43
✓	G538	538	1364.0	85	2	16		6	24	48	106	TGG15	3	10	1	4	48
✓	G539	539	1360.2	116	2	17		6	24	47	107	TGG15	3	49	1	4	31
✓	G540	540	1326.6	45	2	18		6	24	46	108	TGG15	3	12	1	4	5
✓	G565	565	1412.4	105	2	19		6	24	45	109	TGG20	3	13	1	4	10
✓	G566	566	1408.4	120	2	20		6	24	44	110	TGG20	3	14	1	4	15
✓	G567	567	1310.6	110	2	21		6	24	43	111	TGG20	3	15	1	4	20
✓	G568	568	1341.8	76	2	22		6	24	42	112	TGG20	3	16	1	4	25
✓	G569	569	1328.6	95	2	23		6	24	41	113	TGG20	3	17	1	4	30
✓	G570	570	1397.8	76	2	24		6	24	40	114	TGG20	3	18	1	4	35
✓	G595	595	1388.0	90	2	25		6	24	39	115	TGG20	3	19	1	4	40
✓	G596	596	1433.8	130	2	26		6	24	38	116	TGG20	3	20	1	4	45

Note: the printed "VPCB" flag = 1 for every row (handwritten value shown is the VPCB voltage in mV and δV in mV).