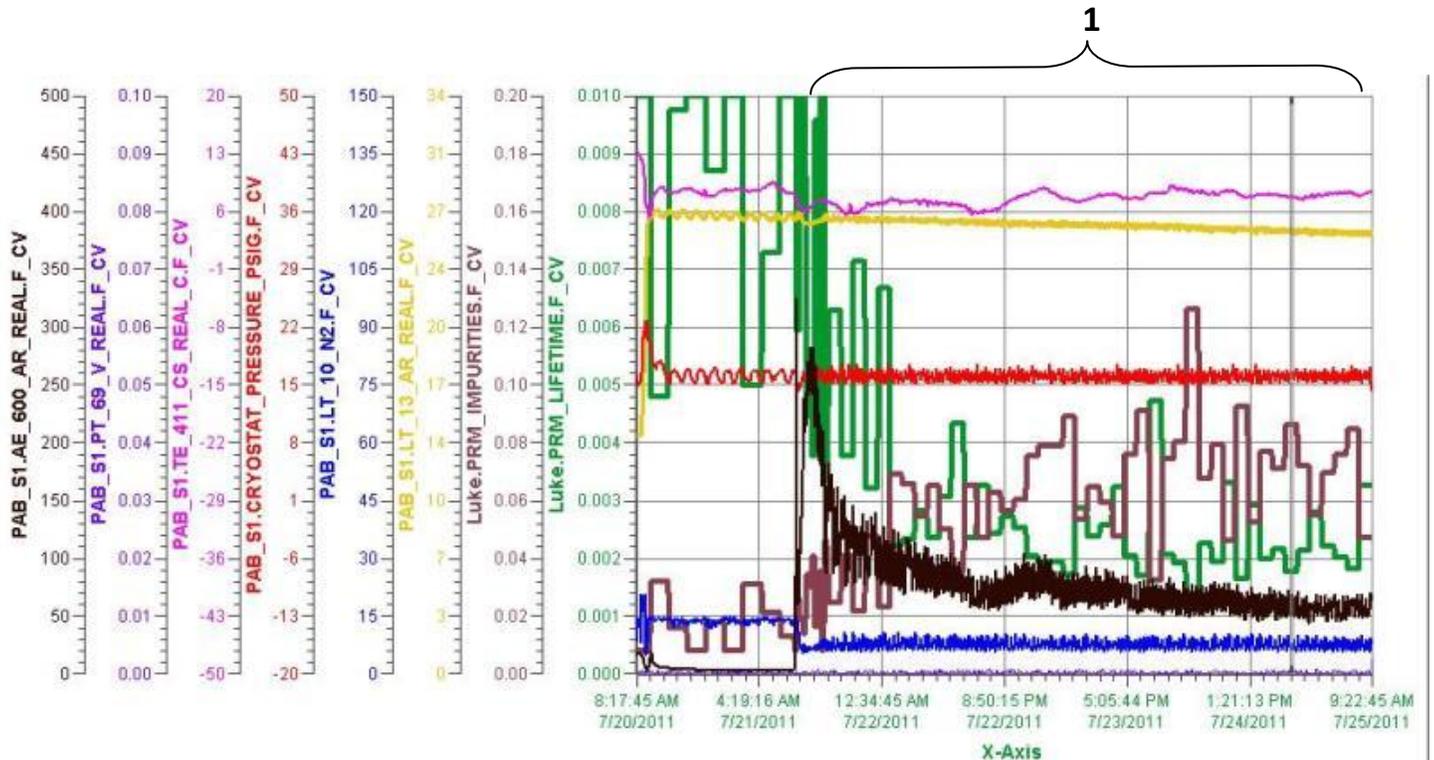


PAB Materials Test System

Date of Receipt	07/30/11 , logbook entry # 1874
Sample Name/Description	MicroBooNE cable single strand Teflon coated twisted pair wires
Sample	
Composition:	Teflon coated tinted copper wires
Picture Location:	data base
Weight:	135 g
Dimensions/Area:	63 cm long, 6 cm wide
Source:	Bo Yu
Preparation:	not cleaned
Submerging in LAr or LH2	no
Time in the airlock(hrs)	
Purge:	24 h purged from the bottle and 1 h from Luke
Vacuum:	
Room Temperature Test	
Start Time/Date, End Time/Date :	7/21/11 10:35 pm, 7/25/11 10 am
PrM run # :	13392
Condenser state:	on
Filter state:	off
O2 reading:	x
H2O reading:	increased to 277 ppb then stabilized at 45-60 ppb
Lifetime:	1-2 ms
Liquid Test	
Start Time/Date, End Time/Date :	7/25/11 16:45
PrM run # :	13454
Condenser state:	on
Filter state/settings:	off
O2 reading:	x
H2O reading:	increased to 80 ppb then stabilized at 35-45 ppb
Temperature:	95 K
Lifetime:	3.5-10 ms
VaporTest	
Start Time/Date, End Time/Date :	7/26/11 10 am, 7/27/11 3 pm
PrM run # :	13470
Condenser state:	on
Filter state/settings:	off
O2 reading:	x
H2O reading:	increased to 60 ppb then stabilized at 30 ppb
Temperature:	202 K
Lifetime:	4-6 ms
Results/comments	

MicroBooNE Ribbon Cable Test 7/21/2011 – 7/27/2011

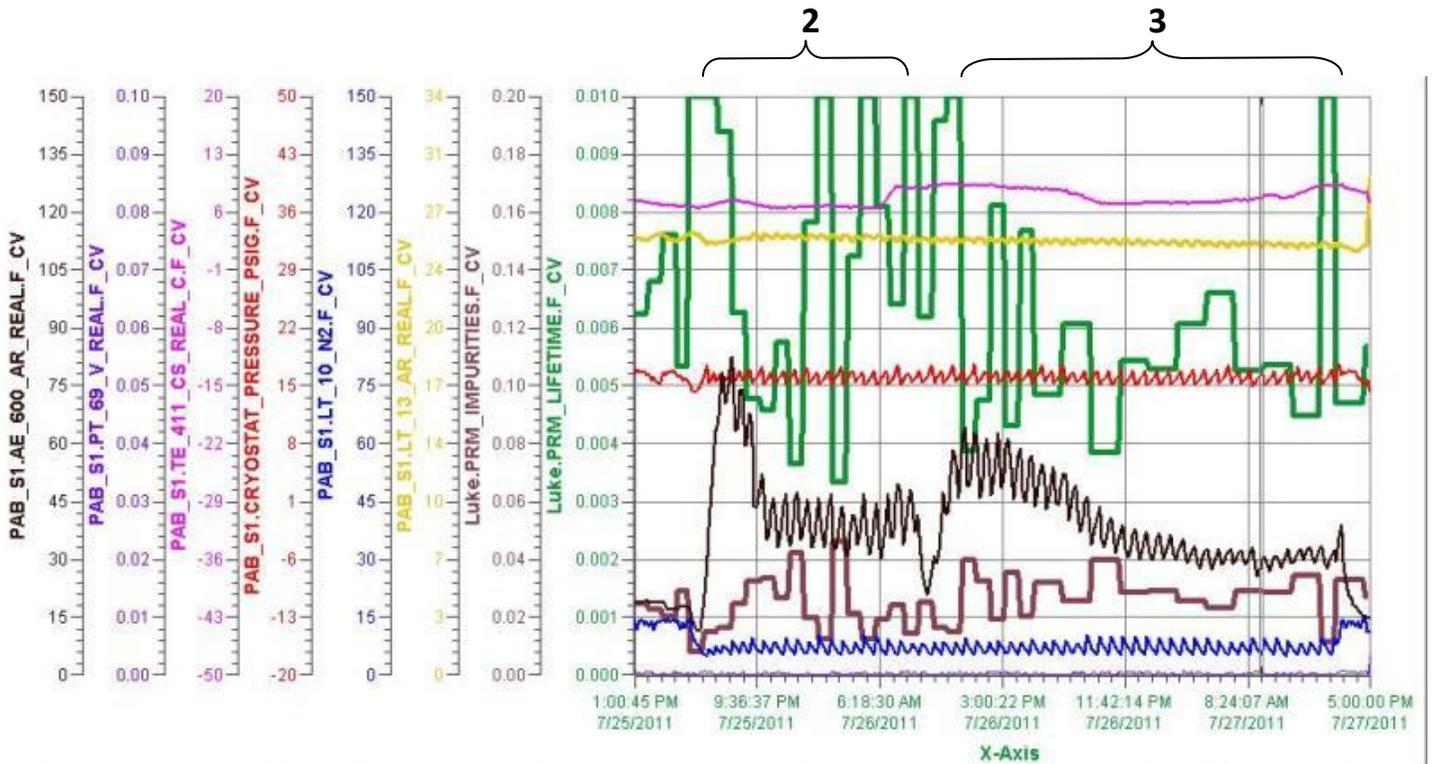
1. Room temperature test.



Pen Name	Description	Value	Eng Units	High Over Range	Low Over Range
— Luke.PRM_LIFETIME.F_CV	Luke.PRM_LIFETIME.F_CV	0.00175	sec	0.02000	0.00120
— Luke.PRM_IMPURITIES.F...	Luke.PRM_IMPURITIES.F_CV	0.0856	Imps	0.1253	0.0075
— PAB_S1.LT_13_AR_REAL	Luke Argon Level Probe	28.0	inches	27.3	14.0
— PAB_S1.LT_10_N2.F_CV	Luke Condenser LN2 Level Pro...	6.6	inches	20.5	4.6
— PAB_S1.CRYOSTAT_PRE...	Luke Vapor Pressure	16.1	psig	22.7	14.2
— PAB_S1.TE_411_CS_REA...	TC on Luke top flange (F_CV)	7.8	C	13.1	5.0
— PAB_S1.PT_69_V_REALF...	Seal Monitor Vacuum	0.0001	Torr	0.0025	0.0001
— PAB_S1.AE_600_AR_REA...	Luke Halo (F_CV)	51.8	ppb	325.1	1.8

7/20/2011 8:17:45 AM 7/25/2011 9:22:45 AM

- 2. Liquid test.
- 3. Vapor test.



Pen Name	Description	Value	Eng Units	High Over Range	Low Over Range
— Luke.PRM_LIFETIME.F_CV	Luke.PRM_LIFETIME.F_CV	0.00521	sec	0.01983	0.00330
— Luke.PRM_IMPURITIES.F...	Luke.PRM_IMPURITIES.F_CV	0.0288	Imps	0.0455	0.0076
— PAB_S1.LT_13_AR_REAL	Luke Argon Level Probe	25.2	inches	29.2	24.9
— PAB_S1.LT_10_N2.F_CV	Luke Condenser LN2 Level Pro...	5.3	inches	14.4	4.8
— PAB_S1.CRYOSTAT_PRE...	Luke Vapor Pressure	16.4	psig	17.7	14.2
— PAB_S1.TE_411_CS_REA...	TC on Luke top flange (F_CV)	7.7	C	9.4	6.4
— PAB_S1.PT_69_V_REAL_F...	Seal Monitor Vacuum	0.0004	Torr	0.0034	0.0001
— PAB_S1.AE_600_AR_REA...	Luke Halo (F_CV)	28.2	ppb	81.9	11.4

7/25/2011 1:00:45 PM 7/27/2011 5:00:00 PM

