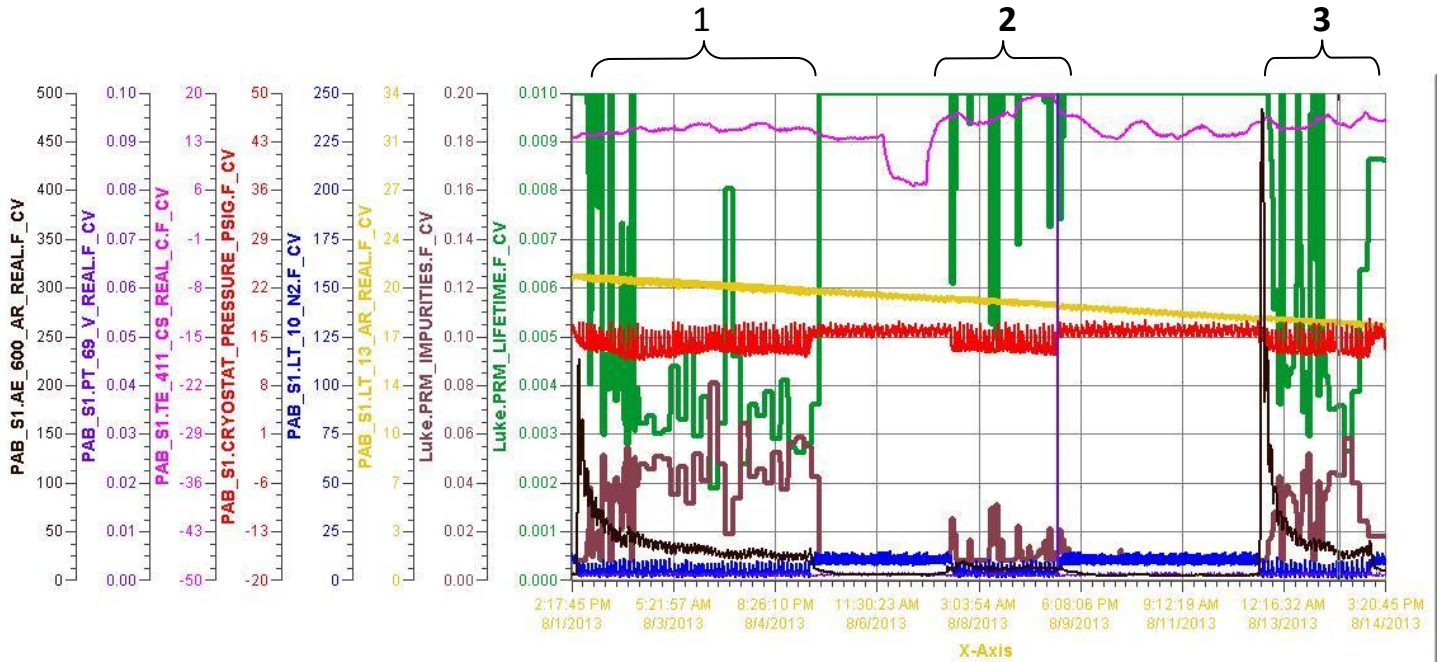


MicroBooNE Silver Galvanized Steel Wire Test 8/6/2013 – 8/14/2013

<b><i>PAB Materials Test System</i></b>	
<b>Date of Receipt</b>	Aug/2013 eLog entry # 4208
<b>Sample Name/Description</b>	Silver galvanized steel wire
<b>Sample</b>	
<b>Picture Location:</b>	data base
<b>Weight:</b>	30.4 g
<b>Dimensions/Area:</b>	dia 0.68 mm (0.027 inch)
<b>Source:</b>	Matt Toups
<b>Preparation:</b>	cleaned with air only
<b>Submerging in LAr or LH2</b>	x
<b>Time in the airlock(hrs)</b>	
<b>Purge:</b>	24.5 hours
<b>Vacuum:</b>	x
<b>Liquid Test</b>	
<b>Start Time/Date, End Time/Date :</b>	8/7/2013 4:15 PM, 8/9/2013 9:10 AM
<b>PrM run # :</b>	18340
<b>Condenser state:</b>	on
<b>Filter state:</b>	off
<b>O2 reading:</b>	x
<b>H2O reading:</b>	10 ppb
<b>Temperature:</b>	95 K
<b>Lifetime:</b>	8-10 ms
<b>Liquid Level</b>	19 inches
<b>Room temp. Test</b>	
<b>Start Time/Date, End Time/Date :</b>	8/12/2013 3:00 PM, 8/14/2013
<b>PrM run # :</b>	18458
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>O2 reading:</b>	x
<b>H2O reading:</b>	25 ppb
<b>Temperature:</b>	room temp.
<b>Lifetime:</b>	3.5 - 4 ms
<b>Liquid Level</b>	18 inches
<b>Zero Test</b>	
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>O2 reading:</b>	x
<b>H2O reading:</b>	20 ppb
<b>Temperature:</b>	room temp.
<b>Lifetime:</b>	3.5 - 4 ms
<b>Liquid Level</b>	20 inches
<b>Results/comments</b>	

1. Zero test (room temp.)
2. Liquid test
3. Room Temp. Test



Pen Name	Description	Value	Eng Units	High Over Range	Low Over Range
— Luke.PRM_LIFETIME.F_CV	Luke.PRM_LIFETIME.F_CV	0.00354	sec	0.02000	0.00187
— Luke.PRM_IMPURITIES.F_CV	Luke.PRM_IMPURITIES.F_CV	0.0424	Imps	0.0804	0.0075
— PAB_S1.LT_13.AR.REAL.F_CV	Luke Argon Level Probe	18.0	inches	21.3	17.6
— PAB_S1.LT_10.N2.F_CV	Luke Condenser LN2 Level Probe (F_CV)	7.5	inches	14.5	0.7
— PAB_S1.CRYOSTAT_PRESSURE...	Luke Vapor Pressure	12.7	psig	17.6	11.5
— PAB_S1.TE_411_CS_REAL_C_F_CV	TC on Luke top flange (F_CV)	15.6	C	19.9	6.6
— PAB_S1.PT_69_V_REAL_F_CV	Seal Monitor Vacuum	0.0016	Torr	6.2227	0.0004
— PAB_S1.AE_600.AR_REAL.F_CV	Luke Halo (F_CV)	28.4	ppb	483.8	3.0

Water – black pen

Lifetime – green pen

Liquid level – yellow pen

