n-3He Work List

Seppo

Update Nov-26-14

DAQ:

* Status
* Check/improve logic –SF

Preamp:

* Mount new rotameters – SNS techs
* Label lines – SNS techs
* Amp cooling
	+ interlock circuit – under construction
	+ length of temp sensor wires, we need 4x40” now 43”
* Amps powering
	+ power all
* Diagnose noise in amp in different conditions
* Asymmetry runs – needs SF and HV

HV:

* Check the home made HV source
* Test ion chamber HV with 200 V
	+ Need SHV and MHV elbow connectors
* M1 HV test battery
* M4 HV test battery

M1:

* Noise measurement – grounding/HV

M4:

* Noise measurement – grounding/HV

Spin flipper:

* + RF waveform status
	+ Check the rf path as it is now
	+ Needs t0
	+ Connect He supply/return lines to spin flipper
	+ Test current reading from donate – noise - grounding
	+ Isolate spin flipper from stand
	+ Remove

Laser:

- test alignment plan

Polarimetry:

* Stand is ready
* We have interaction with the SNS 3He folks
* Eric has a protective beam cover for the polarimetry hole

Ion chamber:

* Tie down
* Remove

Beam scanners

* Scanning plan

Dirty DAC:

* Status

Slow Control:

* + Status
	+ Pressure transducer for N2 cooling
	+ Flow indicator for N2 cooling
	+ Four temperature sensors RS-232
	+ Pressure transducer for the SF He flow
	+ Flow indicator for SF He flow
	+ Many of these signals need to be set to give an alert and alarm
	+ Two Bartington MAG-03 DAM flux gates, communication via RS-232
	+ Fix the flux gate
	+ Additional reading like; proton current reading - status

Housekeeping:

* At the end

Our schedule for post IRR:

* on 26th the official finding list
* week Dec 1
	+ complete w IRR items
	+ complete w SF testing
	+ complete w ion chamber testing
	+ Remove SF and ion chamber out for fault study – 1st know Fault Study date
	+