Mu Wall 2

2. Name: Muon Wall 2,
Sytem include: 2000 ch drift tubes. diam 3 cm, 2 groups X,Y,W - 6 planes.
Respond. - Khokhlov Yuri
Time - May 2000
2.3 No local DCS
3. Crates.
CAMAC -1
VME - 1 (Readout electronics), F1, CATCH - 2 modules
3.1.2 CANbus
3.1.3 VME crate for readout will be **in Zone**
3.2 Crate control
V, I, T , ON/OF line status, FAN failure, OVH
Read status - 3 min, 5% precision
Crate actions --- ON/OFF, RESET communication, RESET Crate
4. HV
8 ch (12),
CAEN SY127 (A332P, 2 modules)
H.S. CAENET Control board
Spare channell
Monitoring: V, I, status ON/OFF, OverI, OverV, Trip, Ramp-Up, Rump-Down
Current I in spilll, Current I Out of spill.
Automatic voltage - Adjust HV & P atmosphere.

5. LV		monitoring	time
+6V -	6 ch	V ,I - 5%	each 10 spill
-6V -	6 ch	V, I - 5 %	---
+6v-12 -	6 ch	V, I - 5%	---

6 Analog monitoring

T atmosphere	- 1 -in 10 seeec	2 C (+/-)	
P atmosphere	1- in 10 sec	1%	
Gas flow	2 components	Arg + CH4(methan)	
Position sensor	ON BEAM LINE		

7. Boolen
4 microswitch
8. START UP
Configuring of HV with start-up values ---- Manualy

9. ALARMs
Warning: V,I, (HV) ----out of range 1
V, I LV
V,I CRATE
P
Fault: All paremeteres aout off range 2

Fatal : HV, LV, crate, OFF
HV TRIP,
No control of HV

9. Trending

T, P&gas flow	-------	3 days for display;	30 days for keeping
Current I (HV)	-------	1 day	5 days
HV	--------	1 day	5 days

10. Data saving and sending to DAQ

All HV and STATUS values in DB each 10 -th measurement
+12 V
GAS compos & flow