



MDT Configuration Database

Tasks done:

Integrated new installed EE side A chambers

Added new python management tools

An example to list disabled Mezz cards

		1.5 1	- : :-					
-			y: Querying (-mails to: h.			disabled	Mezzanine	cards.nine cards.
1			-matts to: n. 1568@gmail.co		n.cn			
1	atonr r :		1015	1023	Disabled M	lezz 3		
1	atonr r :							
1	atonr r :							
1	atonr_r :		1015	1023	Disabled M	lezz 3		
1	atonr_r :	BIS1C16	2047	4095	Disabled M	lezz 11		
1	atonr_r :	BIS1C02	4091	4095	Disabled M	lezz 2		
1	atonr_r :	BMS1A08	16255	16383	Disabled M	lezz 7		
1	atonr_r :	EIL1C05	4091	4095	Disabled M	lezz 2		
- 1	atonr_r :	EIS1A14	16127	16383	Disabled M	lezz 8		
1	atonr_r :	EMS2A08	65527	65535	Disabled M	lezz 3		
1	atonr_r :	EMS2C12	62463	65535	Disabled M	lezz 10	11	
1	atonr_r :	EOS3A02	14335	16383	Disabled M	lezz 11		
- 1	atonr_r :	EOS3A16	16127	16383	Disabled M	lezz 8		
- 1	atonr_r :	EOS4A02	3583	4095	Disabled M	lezz 9		
- 1	atonr_r :	EOS5C06	3071	4095	Disabled M	lezz 10		
1	atonr_r :	EOS5C02	4087	4095	Disabled M	lezz 3		
1	atonr_r :	EOS5C08	4031	4095	Disabled M	lezz 6		
ı	atonr_r :	ESL1A13	5775	245791	Disabled M	lezz 4		
1	atonr_r :	EES1C16	4031	4095	Disabled M	lezz 6		
1	atonr_r :	Disabled Me	e cards	listed,	ALL OK			
-				•		•	•	

EO chambers disappeared after the commissioning

```
crying (ATONR) for a list of disabled Mezzanine cards.
INFO Sending summar
                          .ls to: h.cheng@cern.ch
                        680gmail.com'l
              BIS2A08
                             1015
                                         1023
                                                Disabled Mezz
                                                Disabled Mezz
              BIS2A14
                              959
                                         1023
              BIS3C04
              BIS4C14
                             1015
                                         1023
                                                Disabled Mezz
                                                Disabled Mezz
              BIS1C16
                             2047
atonr r :
                             4091
atonr_r :
atonr r:
              BMS1A08
                            16255
                                        16383
                                                Disabled Mezz
              EIL1C05
                             4091
                                        4095
              EIS1A14
                            16127
                                        16383
atonr r :
              EMS2A08
                            65527
                                        65535
                                                Disabled Mezz
atonr_r :
                            62463
                                        65535
                                                                 10 11
atonr r :
                           245775
                                       245791
atonr_r :
              ESL1A13
                                                Disabled Mezz
                             4031
                                                Disabled Mezz
        : Disabled Mezzanine cards listed, ALL OK
```





MDT Configuration Database

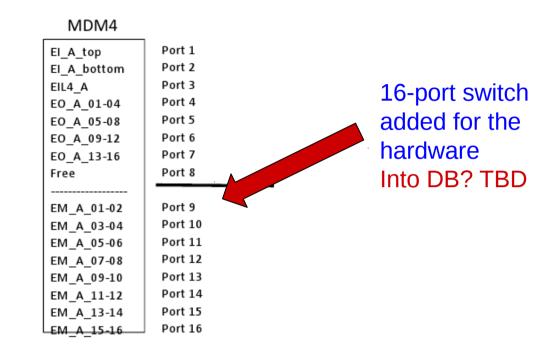
Tasks done:

Implemented new CANBUS control scheme:

from 12 CANBUS/PC to 16 CANBUS/PC (Reduced PC from 8 to 6)

Added new python management tools

An example to list PC for CANBUS







MDT Configuration Database

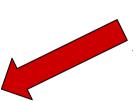
Tasks done:

Installed new elevator chambers BOE3A13, BOE3C13, BME4A13 and BME4C13 to both ATONR and DEVDB11

MDM parameters for BOE chambers

```
[atint02] /home/hcheng/db/python/trunk > ./bin/check_chamber_mdm B0E3A13
/net/s3 data home/hcheng/db/python/trunk/scripts/.checkChamberMDM.py: Che
 INFO Sending summary e-mails to: h.cheng@cern.ch
 INFO with cc to: ['dai1568@gmail.com']
  devdb11 : B0E3A13 B663 node 23
  devdb11 : B0E3A13 B663 type b
  devdb11 : BOE3A13 B663 mask tsen 262143
  devdb11 : BOE3A13 B663 mask bsen 0
  devdb11 : Chamber BOE3A13 MDM checked. ALL OK
[atint02] /home/hcheng/db/python/trunk > ./bin/check_chamber_mdm BOE3C13
/net/s3_data_home/hcheng/db/python/trunk/scripts/.checkChamberMDM.py: Che
 INFO Sending summary e-mails to: h.cheng@cern.ch
 INFO with cc to: ['dai1568@gmail.com']
  devdb11 : B0E3C13 C266 node 10
  devdb11 : BOE3C13 C266 type b
  devdb11 : B0E3C13 C266 mask_tsen 262143
  devdb11 : BOE3C13 C266 mask bsen 0
  devdb11 : Chamber BOE3C13 MDM checked, ALL OK
```

```
[atint02] /home/hcheng/db/python/trunk > ./bin/check_chamber_mdm BME4A13
/net/s3_data_home/hcheng/db/python/trunk/scripts/.checkChamberMDM.py: Ch
 INFO Sending summary e-mails to: h.cheng@cern.ch
 INFO with cc to: ['dai1568@gmail.com']
  devdb11 : BME4A13 x013 mask bsen 0
  devdb11: BME4A13 x013 node 1
  devdb11 : BME4A13 x013 type b
  devdb11 : BME4A13 x013 mask tsen 511
^[[A devdb11 : Chamber BME4A13 MDM checked, ALL OK
[atint02] /home/hcheng/db/python/trunk > ./bin/check_chamber_mdm_BME4C13
/net/s3 data home/hcheng/db/python/trunk/scripts/.checkChamberMDM.py: Ch
 INFO Sending summary e-mails to: h.cheng@cern.ch
 INFO with cc to: ['dai1568@gmail.com']
  devdb11 : BME4C13 x015 mask bsen 0
  devdb11 : BME4C13 x015 node 1
  devdb11 : BME4C13 x015 type b
  devdb11 : BME4C13 x015 mask_tsen 511
  devdb11 : Chamber BME4C13 MDM checked, ALL OK
```



MDM parameters for BME chambers

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Continue to develop new python management tools to provide new functions, like displaying hardware replacement history

Update document accordingly

Configuration selection from DCS? Introduce more configurations, such as long latency configuration

Management tool development especially to deal with multiple configuration

Tune MDT configuration to minimize MDT integrate gate and threshold for high luminosity

Support new GUI development

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