GEC



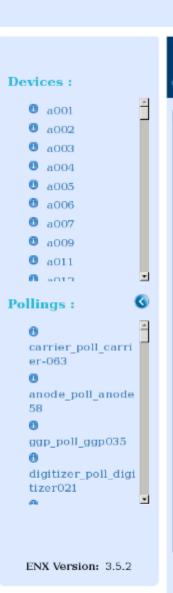
Idea from the first discussion (Legnaro 2010)

- Goal :
 - User Interface to monitor all the electronics
 - Perform the full AGATA Set-up into one GUI
 - Easier and faster set-up
 - With helpful diagnosis
 - Basis commands with "buttons" instead of scripts
- Installation and first debug : done in 2017 at GANIL (February and April)

ENX

DISPLAY .

Topology Manager / SC Digitizer / Xymon



Display And Control Web Page Ping Cards reload Cluster Crystal Color Digitizer Master Anode GGP CIS С anode58 ggp012 37 adc03 (9) b011 В carrier-063 anode26 gts-038 С carrier-074 anode15 ats-009 atc09 (4) a004 Α carrier-039 anode01 ats-016 B008 В carrier-013 ats-010 C carrier-067 anode19 ats-039 atc08 (2) 8009 А carrier-069 anode23 ats-007 b005 В carrier-057 gts-013 C anode57 ggp014 27 atc07 (11) a006 A anode27 ggp027 3 В anode62 ggp019 22 С carrier-005 anode12 ats-023 atc06 (0) anode14 gts-015 В b004 carrier-062 anode21 gts-021 C carrier-041 anode09 gts-030 anode18 atc05 (3) a005 carrier-008 gts-035 anode08 В ats-011 C carrier-038 anode20 gts-034 atc04 (13) a007 A carrier-015 anode10 gts-014 В carrier-071 anode07 gts-036 С carrier-010 anode03 gts-024 atc03 (12) a002 carrier-018 anode25 gts-006 b010 В carrier-035 anode04 gts-012 c005 carrier-014 anode11 gts-028 a003 Α carrier-065 anode16 atc02 (10) ats-026 В anode17 gts-029 a012 Α anode55 ggp011 5 C ggp015 atc01 (1) 4 25 В anode24 ggp021 С c016 anode28 ggp017 2 atc13 (14) a014 Α anode13 carrier-061 gts-008 В 33 anode60 ggp007 С anode59 31 atc11 (5) a011 Α carrier-059 anode50 gts-017 В anode61 ggp025 Table key:

Undefined Error

Reset

Going

Stopped

Display full logs

Message anode17gts not available in launcher executable lis anode62gts not available in launcher executable list anode10gts not available in launcher executable list anode61gts not available in launcher executable list anode21gts not available in launcher executable list anode28gts not available in launcher executable list anode50gts not available in launcher executable list ancde61gts not available in launcher executable list anode21gts not available in launcher executable list anode28gts not available in launcher executable list anode50gts not available in launcher executable list anode15gts not available in launcher executable list anode20gts not available in launcher executable list anode04gts not available in launcher executable list anode13gts not available in launcher executable list anode59gts not available in launcher executable list anode57gts not available in launcher executable list anode60gts not available in launcher executable list anode19gts not available in launcher executable list anode58gts not available in launcher executable list anode12 ats not available in launcher executable list anode26gts not available in launcher executable list anode27gts not available in launcher executable list anode14gts not available in launcher executable list anode24gts not available in launcher executable list anedeDigts not available in launcher executable list anode07gts not available in launcher executable list anode55gts not available in launcher executable list anode09gts not available in launcher executable list anode25gts not available in launcher executable list anode03gts not available in launcher executable list anodeligts not available in launcher executable list anode08gts not available in launcher executable list anede 18gts net available in launcher executable list anode16gts not available in launcher executable list anede23gts net available in launcher executable list anode29gts not available in launcher executable list anode05gts not available in launcher executable list anode17gts not available in launcher executable list anode22gts not available in launcher executable list anode61gts not available in launcher executable list anode10gts not available in launcher executable list

agata information

State is UNDEFINED

Function	Arguments
Clear_Error_Vector	
Launch_All_Dcod_Launcher	
Kill_All_Dcod_Launcher	
Restart_All_Dcod_Launcher	
Remove_Fake_Back_Pressure	
Fix_All_Anodes_Missing_Services	
Reset_GTS_Tree	

Sons

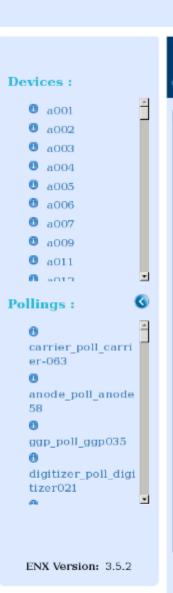
Sons

r			-
Name			
adc03	CLUSTER	ERROR	
atc10	CLUSTER	ERROR	
atc01	CLUSTER	ERROR	
atc02	CLUSTER	ERROR	
atc03	CLUSTER	ERROR	
atc04	CLUSTER	ERROR	
atc05	CLUSTER	ERROR	
atc06	CLUSTER	ERROR	
atc07	CLUSTER	ERROR	
atc08	CLUSTER	ERROR	
atc09	CLUSTER	ERROR	

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anode20 information

State is ERROR

Function	Argument
Clear_Error_Vector	
Mount_Agata	
Reboot_Anode	
Halt_Anode	
Fix_Missing_Services	
Launch_Dcod_Launcher	
Kill_Dcod_Launcher	
Restart_Dcod_Launcher	
Clean_Prototype_Processes	
Reset_Try_Counters	
Modprobe_Xdev	

Properties

• anode - anode20

Errors messages

• gts not available in launcher executable list

Go to AGATA display webpage

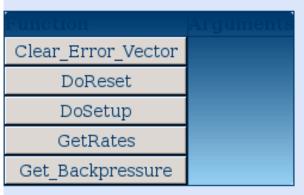
Go up to b011

Go to AGATA display webpage

Go up to carrier-063

carrier-063 information

State is GOING



Properties

anode - anode26

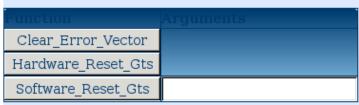
Sons

Sons

Name	Туре	State	
gts-038	GTS	NO_ELECTRONIC	

gts-038 information

State is NO_ELECTRONIC



Properties

• anode - anode26

Go to AGATA display webpage

Go up to c011

ggp012 information

State is GOING

Function	Argument
Clear_Error_Vector	
Reboot_Anode	
Basic_Init_GGP	
Daq_O	
Daq_I	

Properties

anode - anode58

Next steps...

- Adding new features
 - 'power switch' management for ATCA and Anode?
 - Trigger proccessor ?

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- Electronic Monitoring
 - List of informations to retrieve?
 - Rates?
 - Digitiser Sync ? (Or use an automatic resync)

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- Need to evaluate complexity to access each new information
- Users feedbacks are needed!
- Need an extra time for the final commissioning and tests on site