



AGATA DAQ rules, organization, manpower, ...

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Why rules



- The DAQ is slowly moving from a development phase to a exploitation :
Need a well defined organization for the demonstrator phase and next phases
- Define the tasks of the WG. Development, installation, maintenance.
Who does what and when.
- Maintenance of the system and support to the user : who and when ?
- Rules : how to access to the system, disk policy, backup, moving data
- Obviously, documentation will help maintenance and the users a lot
The DAQ Web site <http://www.csns.in2p3.fr/daqagata/> includes a wiki



AGATA DAQ RULES

AGATA DAQ WG



AGATA DAQ RULES

organization, responsibilities and policies

AGATA DAQ WG.

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The rules defined in this document are valid for the Legnaro demonstrator phase only. The handling of data analysis hardware and software is not discussed in this document.

The tasks

Task 1 : Main Data Flow. X. Grave, E, Legay, N. Dosme with help from Olivier Stezowski (ADF)

Task 2 : DAQ services. M. Gulmini, P. Molini, G. Maron, J. Grebosz

Task 3 : Slow control integration. F. Saillant, M. Gulmini, Pietro Molini

Task 4 : Hardware and software installation and handling. Y. Aubert, E, Legay, N. Dosme, X. Grave with help Legnaro and GANIL teams

Task 5 : Local infrastructure. G. Maron, L. Berti

Task 6 : Overall integration. Ch. Theisen, F. Saillant



Maintenance and Support

Maintenance of local infrastructure by host lab

Tools to monitor the system

Functional tests to determine source of problem

Two maintenance levels

- level 0 : host lab
- level 1 : DAQ experts in case of severe problems

Referent person to each experiment (not one of the DAQ WG) .

No on call procedure between 24:00 and 8:00 (no money to pay peoples)

On-call planing



Disk policy

What to do if disk is full ?

Some rules to avoid conflicts, hope it will never be the case...



Backup

There will be no local backup of raw data

Backup of data vital for running Agata (when money will be available ...)



Moving raw data

Policy to move raw data ?

Are data property of the Agata collaboration, spokesperson ?



Manpower

Long ToDo lists given during this session

Need (urgently) manpower for

- Data Quality Monitor (DQM)
Check consistency of data, errors, correlation ...
- GUI for Slow Control
Carrier, Core + segment mezzanine, GTS, Central trigger processor
... otherwise there will be no GUI for the SC of these elements



Funds

- Purchase of 11 pizzas in progress
- Still need to purchase some hardware for 6 TC
 - Pizzas
 - 60 TB disks (raw data)
 - 10-15 TB disk (backup)
- Money spread over different countries ... (doesn't help DAQ WG)





- A DAQ will run in October with 1 TC :
 - Data Flow, algorithm, ADF library
 - Hardware monitoring
 - Run Control, VCR
 - GUI (no for all)
 - Electronics logbook
 - Slow Control
 - Watcher
 - Spectrum server
- Some elements may not be very user friendly or stable
... but the DAQ will be running
- Please be patient and indulgent
- We need feedback from the users
... and possibly peoples experiencing the system now
... training would be welcome