Added notes by GC during a Florence Fazia Meeting 12-3-2015

Points to be discussed before FAZIA days to have answers during FAZIA days

1 - Updating dates of ISOFAZIA and FAZIASYM experiment at LNS

2 - FAZIASYM experiment :
In the proposal, an ancillary detector is needed to measure elastic scattering on a secondary gold target. This is mandatory to measure absolute cross section of the detected isotopes for the Ca+Ca reactions. One important question comes :

2a Is it possible to already put something different to FAZIA in the same acquisition, or we have to run two different acquisition. In this case how we can make it synchronized. In other words, we have to find a way when we start/stop the FAZIA acquisition, the same actions occurred on the second acquisition. **try to use a plaino with long cables to one FAZIA FEE ch. (i-preamp?)**

2b Concerning the FAZIA configuration, at the beginning, we speak of 4 blocks in th wall
no possible configuration. ~~Probably,~~ there will be 6 blocks. It will be a good opportunities to put the 2 other
we have blocks at 45° degrees to mimic a dissipation measurement. For the wall configuration, Yvan is
only starting the construction of a dedicated geometry. Is it possible to have in Catania, a mechanical
34 boards support to put the 2 other blocks at 45° degrees?

2c Concerning the 40,48Ca target, the LNL is in charge of that. For technical reasons, it seems not a good idea to use self supported targets. In case of "sandwich" targets what will be the typical thickness of Ca and backing of C? How many targets of each isotopes we can obtain ? Is it possible to have also a target of C of the same thickness that the total thickness of the C backing on the Ca target ? **we get information**

3 - Concerning FAZIA acquisition, run control, GUI and regional card ?
What is the status of the regional card ? In principle, the control of this card should be
yes implemented in the FAZIAGUI software. To do this, registers and functions have to be documented
yes too in the same way that for the FE, Block and PS cards in the past. **pretty soon (after Easter)**

weblog: What is the status of the run control ? What is foreseen to have automatic generation of run
Diego sheets included all setting of the electronics and trigger configuration ?
et al. is How to make possible an interaction between FAZIAGUI and acquisition ? In other words
doing it. how to test acquisition status to make possible or not writing operation on electronics from the
FAZIAGUI ? **in progress in Florence**

VHDL modific. At the moment, a dedicated software has been done during the commissioning to look at
by scalers online, but rates come only from triggered events. Is it possible to make real scalers based
Franck, on the individual detector rates ?
already
requested What is the plan concerning data storage for the different experiment. Now, all FAZIA data are located at the cc in2p3 and can be used and analyzed using KaliVeda software. It will be nice to be able to transfer data to the cc in2p3 during the experiments in order to minimize the needs in data storage. **yes data to Lyon at once (.dat files)**

5 - Coming of FAZIA blocks at GANIL : When ? How ?
Who will be in charge of the coordination ?
In which conditions blocks should be stocked ? **boxes**
Starting electronics test with "centrum" module for merging FAZIA and INDRA electronics
When, we will be sure that the 12 blocks will be ready and when ask for beam test at GANIL ?
block + ReBo to Ganil 2016   **beginning 2017**

6   - Concerning the renewal of the collaboration :

        for the spoke persons : who are candidates and how is organized the election ? Are we still in the same configuration : one person from France and one person from Italy ?

        for the organization : for the moment the collaboration is composed of 5 Task Groups : Physics (Phase2), Data analysis, DAQ-FEE-Trigger, Mechanics, Detectors. Will we keep this organization ?

7   - Concerning the step after the demonstrator (12 blocks), what is the plan ? What is the position of the actual and the possible future spoke persons ? At present time, all developments on detectors and electronics have produced a very efficient apparatus. Do we stop here or do we have to start to think how to make bigger FAZIA. One of the issues is the cost of the electronics : how to reduce it, which characteristics of the electronics are mandatories and which ones are not, can we re-design the all stuff to make it more compact and more plug&play. I think, it's important to start now this discussion inside the collaboration in order to maintain the attractiveness of the FAZIA project in the different laboratories and to be visible for the funding agencies.