

- 0) The following inputs are coming from Loris Martinazzoli, complementing the initial information/inputs from Yury Gouz.

# Test Beam preparation GRAiNITA

## • 1) Timetable:

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- Machine development the 13th-14th of June. No installation possible.
- Installation possible from the 15th of June. Beams shall be available thereafter.
- We can be main users for the week-end and might get some slots afterwards if needed. Opportunities of even high-energy electrons of the week after.
- The delay-drift chamber will be available. It has a 200 um spatial resolution. It is made of three stations (each of them 200 um resolution) separated by 10 cm. We should get in advance an example of tuples to see how the data is recorded and can be used (?)

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- 2) Fluences and related matters:
  - Hard numbers still to come (beam experts contacted).
  - Yet, the muon fluency is quite firmly said to be 300-500 muons/s in 4x4 cm<sup>2</sup> scintillators triggering the picoCal apparatus.
  - This means for us a rate 80-125 Hz. We will not see them all.
  - The 4x4 cm<sup>2</sup> scintillator trigger is used to trig the Drift chamber, the recording of the events, the writing of the files, all this through a VME crate ... We shall see with Yury in advance what is the simplest:
    - use our own trigger instead of this one or
    - make a coincidence of their 4x4 (VME format) and our 2x2 cm<sup>2</sup>.
  - It seems that during nights/week end there may be more than 1 spill every 50 sec (up to 2 / minute ?)

- 3) Experimental area:
  - The distance b/w the dark box which will welcome GRAiNITA box and the computers desks is about 3 meters.
  - Credentials: Giulia must introduce her application to become user ;-)  
For others: no specific credentials but a valid dosimeter.

- 4) Our open list of questions:
  - Get the pictures of the experimental area. Positioning of the racks / physicist desk etc ... w.r.t to the apparatus.
  - Use of our 2x2 trigger to trig the chamber through their VME system: which format ? conversions ?