- DAQ:
 - Magali and Jihane managed to get the 16-ch to acquire at few kHz
- Trigger:
 - As discussed and agreed last week (see slides at the end of this talk)
 - 3x3 cm² trigger ? If we have it, can be placed in front of the box.
- The prototypes to be tested (from last week as well):
 - Troll1 (Clermont) w/ demineralised water. We need to define an appointment w/ Ianina / Giulia next week to be educated on the filling procedure.
 - Troll2 (Orsay) w/ water.
 - Troll2 (Orsay) w/ heavy liquid.

- Data analsysis:
 - Hervé's status report today
 - Practice session next week (maybe on Friday)
- Mechanics:
 - We promised measurements fro today (failed)
 - Our metrology expert is coming to the Lab after the meeting. Most likely Tuesday.
- Meeting next week to sort the latest details:
 - Ultimate checks of the materials to take.
 - Practice of data analysis.

Trigger, Start of Acquisition and synchronisation of data files

Gathering ideas from Magali and Hervé

- Possible logic to trigger and acquire:
- 1) The start and the stop of the acquisition



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- Possible logic to trigger and acquire:
- 2) The different triggers



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• Possible logic to trigger and acquire:



- Possible logic to trigger and acquire:
 - This ensures to have a convenient unique start for all systems to acquire and allow us to get files during the commissioning phase.
 - Supposing that writing efficiency of triggered events is 100%, the corresponding events would be aligned in the files. Supposing it won't be, this however ensures that the corresponding events are not far away in the files.



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• A possible file synchronisation logic: the network



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- A possible file synchronisation logic:
 - We have in the files for each event the TDC times for the Drift Chamber and the Wavecatcher, respectively.
 - To check for missed events, we determine the difference of those two times within each spill.
 - We retain in the final analysis the events that do have the same time difference.
 - This can be checked with the first spill.
 - This can be even checked with a generator the 11-12/06.
 - Identified pitfall: within a spill, and if we assume the results from the Clermont test bench, we'll have a drift b/w these two signals of 15 us (OK!).