

DAQ and Data Analysis
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---as simple as possible---

- Our DAQ system has been developed for the installations in Virgo and S.Piero a Grado
- It is based on LabView and a NI PXI system



- Two pcs make the interface with the outside world through internet
- Remotely it is possible to control the quality of the data and close or open the perimeter control loop
- Our apparatus must work un-attended

The acquisition is continuous

- each hour the data size is about 300MB
- Data are transferred to Pisa from one of the two PC in the experimental area
- In Pisa we have our own storage space (5TB)
- Data are analysed offline using matlab

Conclusions

- The system we are using is the one developed in the past. It is important to avoid changes until the new apparatus is working properly, since the DAQ system has been tested in our first installation last spring 2013.
- At the moment we are not using the facilities of LNGS. Later on, when the constructions and commissioning will be completed, we can make changes to the DA system