

Station best practices and requests

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Unbiased technique

- For a long time I have heard that SLR is the only unbiased technique!
- However, from the beginning of the SLR we have discussed biases!

Unbiased technique

- Mike Pearlman :
 - 1981 : Psychiatrist, psychoanalist ?
 - 2014 : Station Whisperer !

Diversity of SLR stations

- Different lasers:
 - From few ps to more than 100ps
- Different detectors and modes:
 - PMT, APD
 - Single photon, multiphoton
- Different calibration methods:
 - Real time or not calibrations
- Different timers:
 - Counter, Event-timer

Different stations

- Some stations are always in evolution
 - Difficult to keep stable
- Some station are fixed
 - More stable, but not at the state of the art

Workshops

- The first workshops were more assemblies of engineers, a lot of ideas was discussed and developed in the stations
- The important role of the science in the workshops
- Different goals:
 - In the past the challenge was to obtain echoes
 - Today, the challenge is to have consistent data

Important points

- Calibration
- Station survey
- Meteorological system calibration
- Pulse width control
- Gravimeter campaigns
- Multi-technics (VLBI, GPS, Doris...)

To reach the millimeter

- Technology permits accuracy to the millimeter
- It is more a problem of money than technique
- Millimeter level passes are possible
- To maintain this level of data accuracy for years is more difficult
- And it is why your participation to the Clinic Session is very important

Thanks !!!

