

An aerial photograph of a snowy mountain range. The mountains are covered in white snow with some dark patches. In the foreground, there is a small settlement or base camp with several buildings and a road. The sky is clear and blue.

EEE @ NYA

A quick overview of the work done

The Team



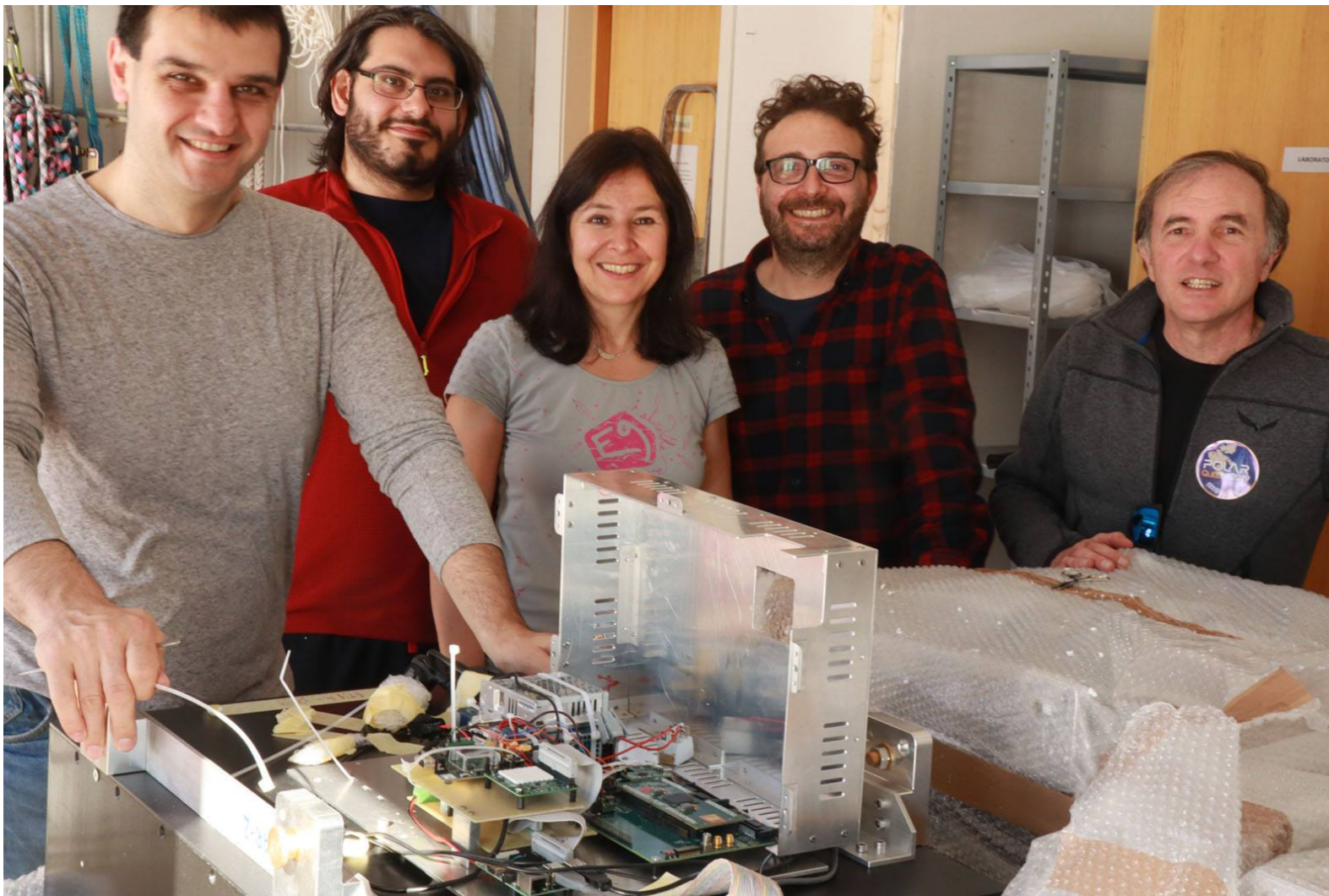
+ The local CNR Team



The activity (May 27-28 lunch time)

After arrival we started to put the all the detectors in operation in a room at Dirigibile Italia.

We needed to open the electronic box to re install the batteries. We checked that everything was fine.



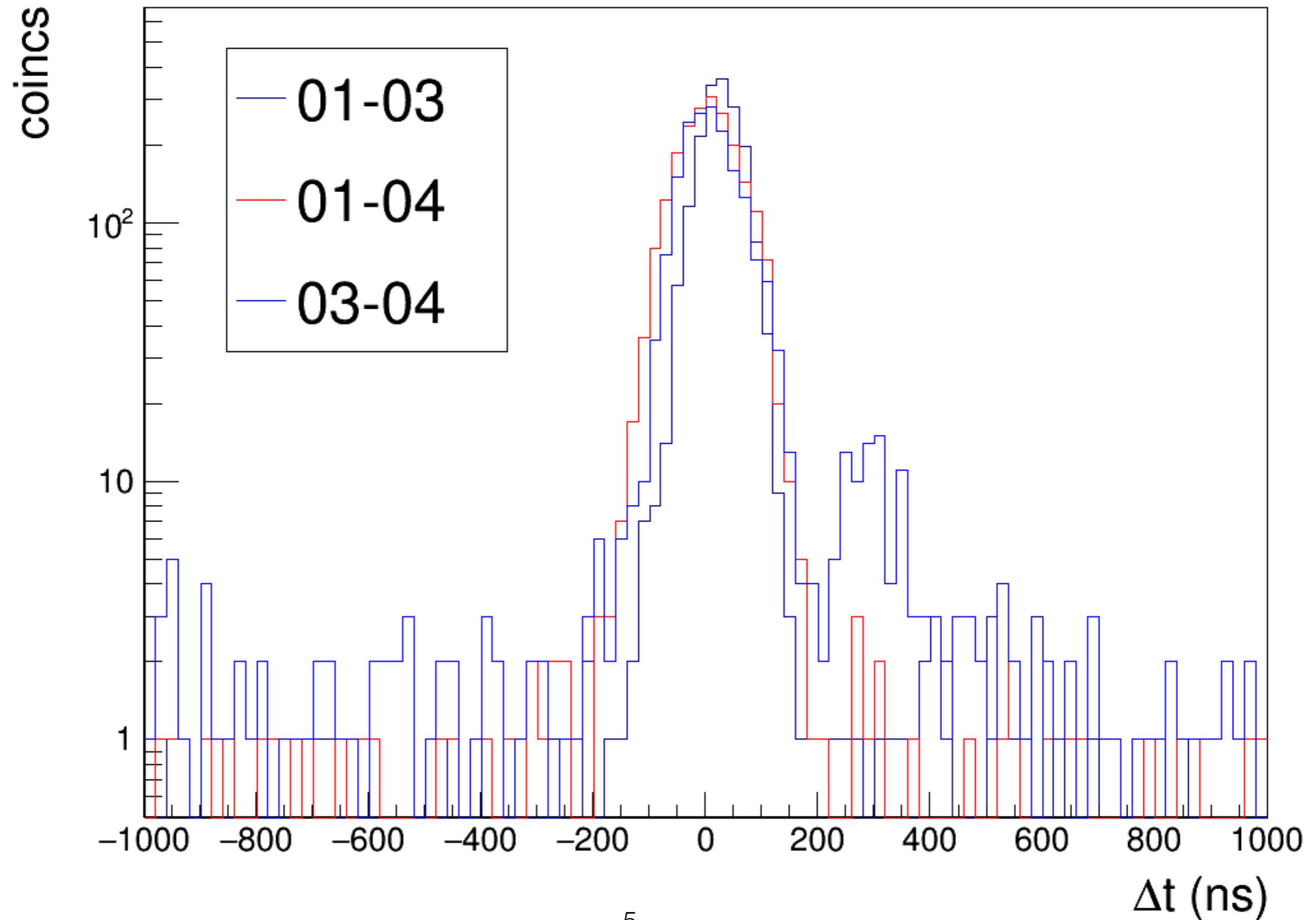
The 3 detectors remained in this site until Tuesday 28th at lunch time.

We checked the main things:

- rate
- TOT distributions
- coincidences

Check coincidences

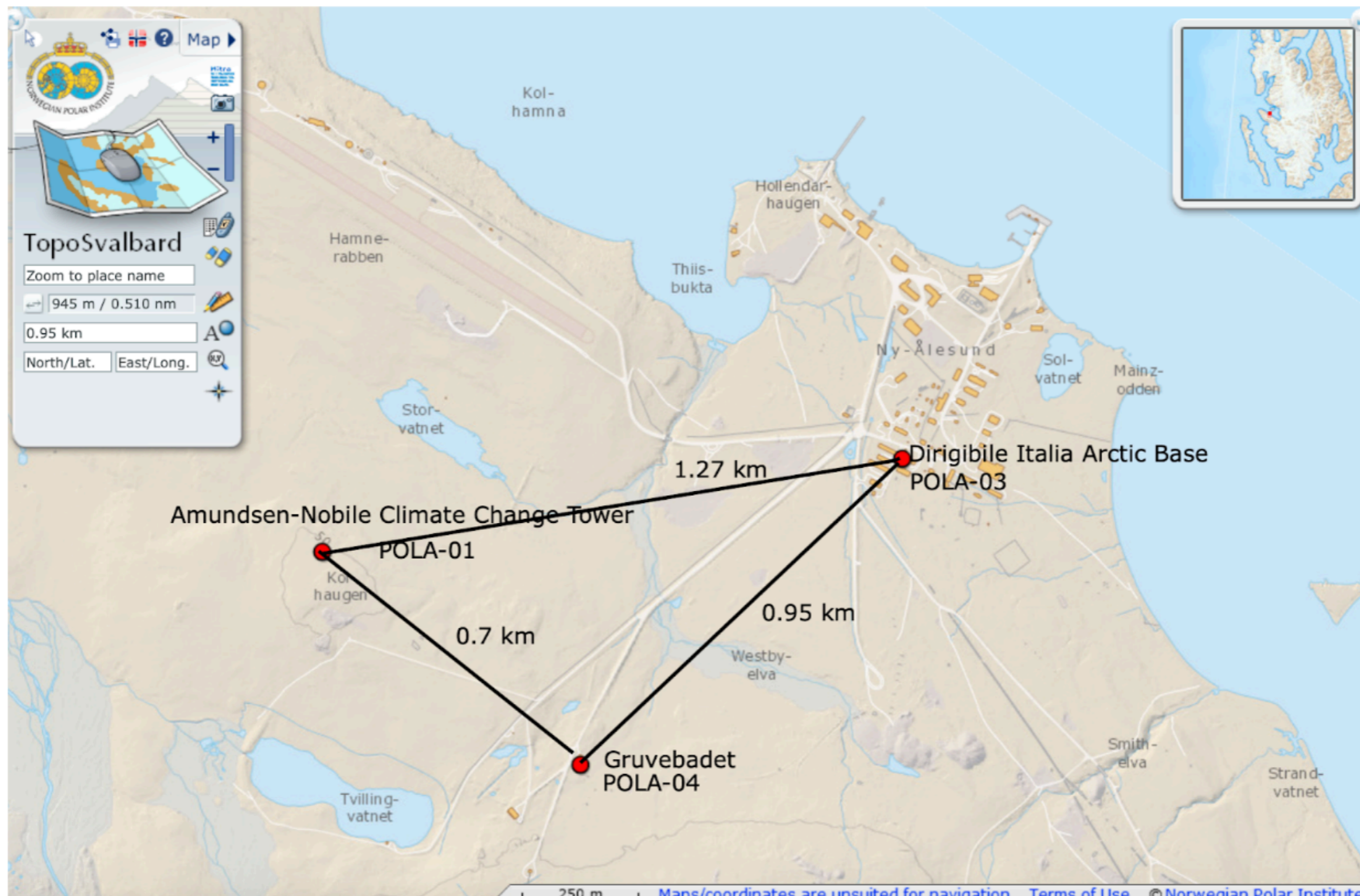
28/05/2019 @ Ny Alesund



The Sites

After a briefing with the CNR team and an inspection we decided the sites for the installations.

- POLA-01 in the Amundsen-Nobile CCT (Climate Change Tower)
- POLA-03 in the Dirigibile Italia station
- POLA-04 in the Gruvebadet laboratory



Installation (May 28 Afternoon)

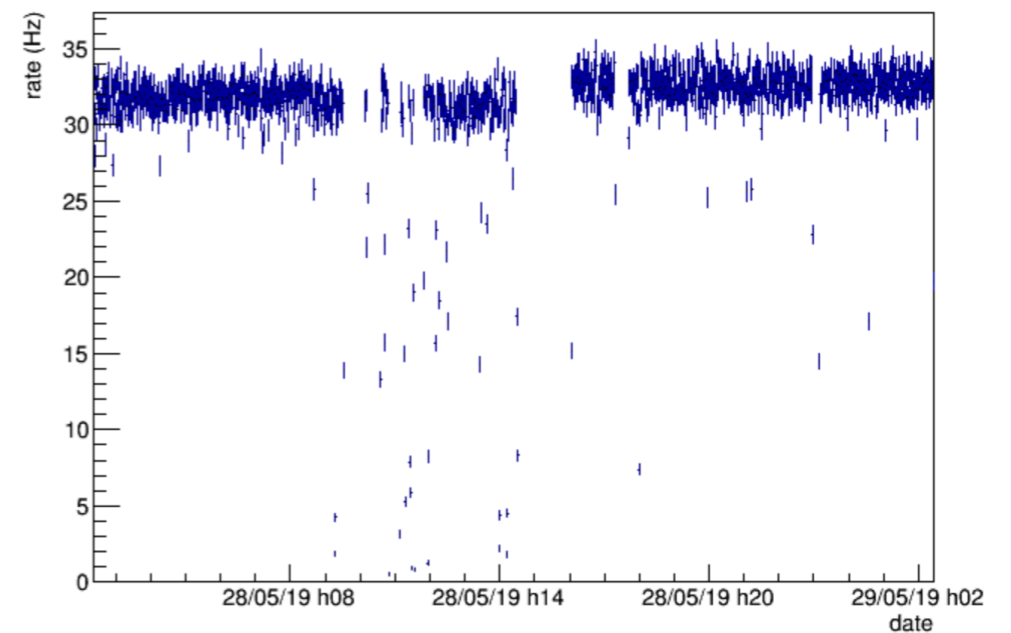
POLA-04 @ Gruvebadet



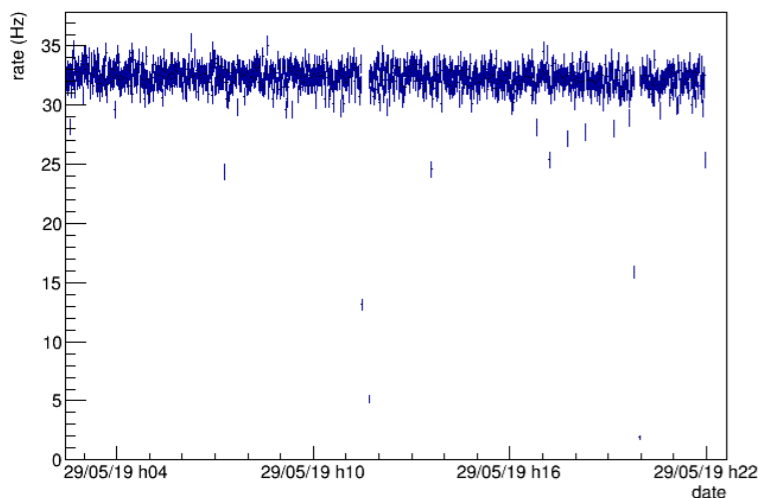
Smooth installation, just some time to acquire GPS signal.

Detail: under Norwegian network

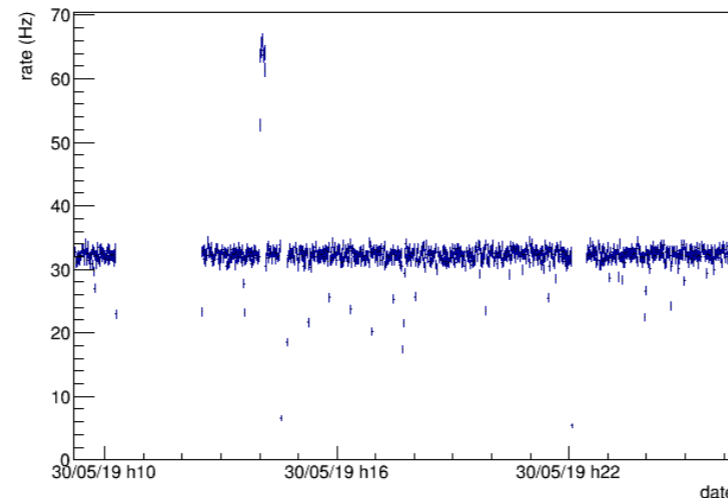
Trending Rate



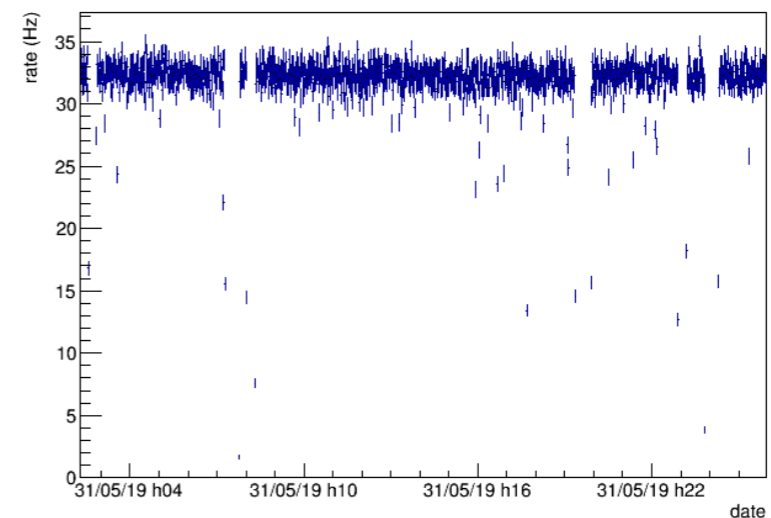
Trending Rate



Trending Rate



Trending Rate



POLA-01 @ CCT

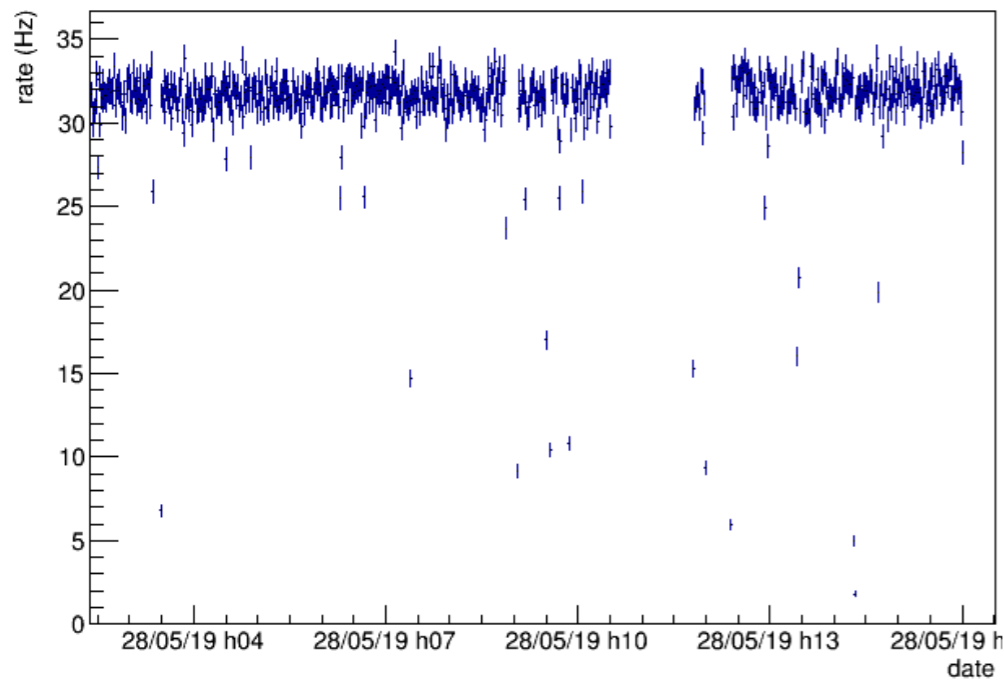


More complex installation.
Detail: under CNR network

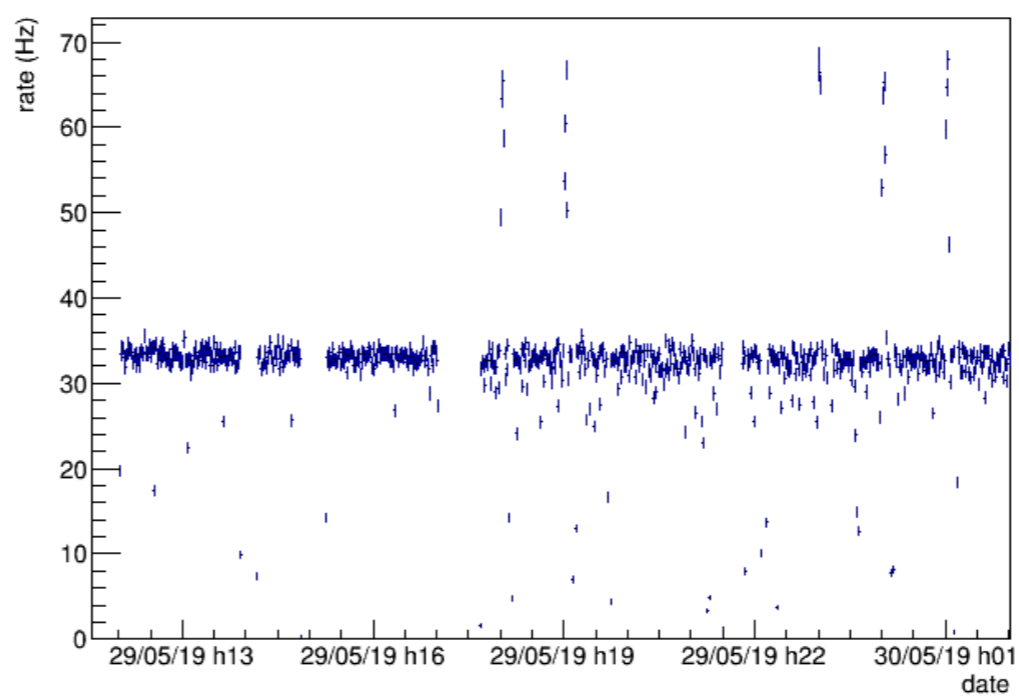


POLA-01 @ CCT

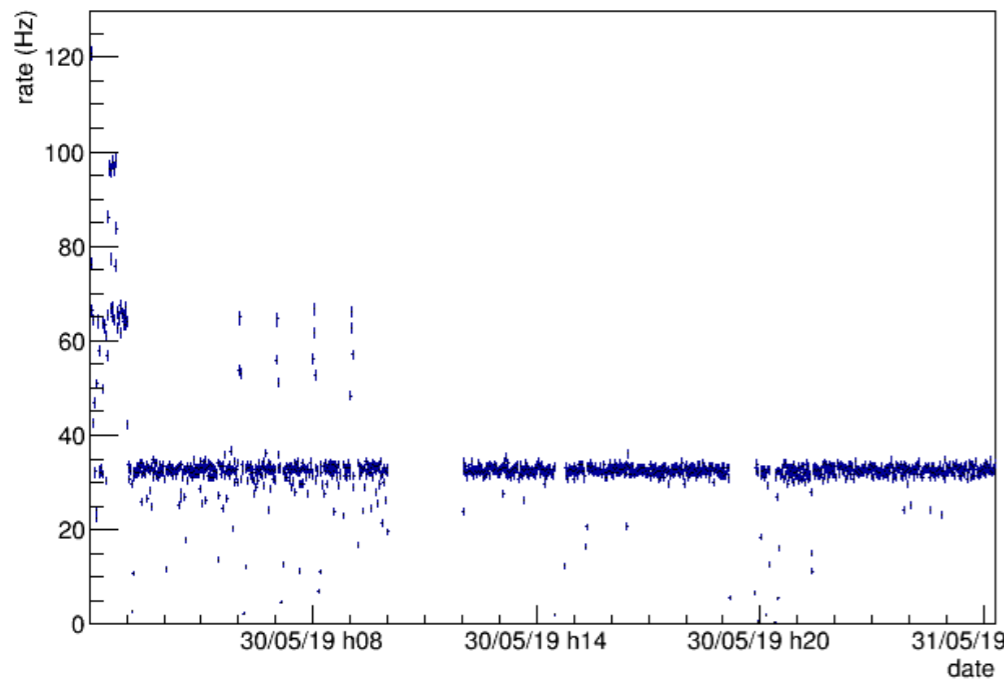
Trending Rate



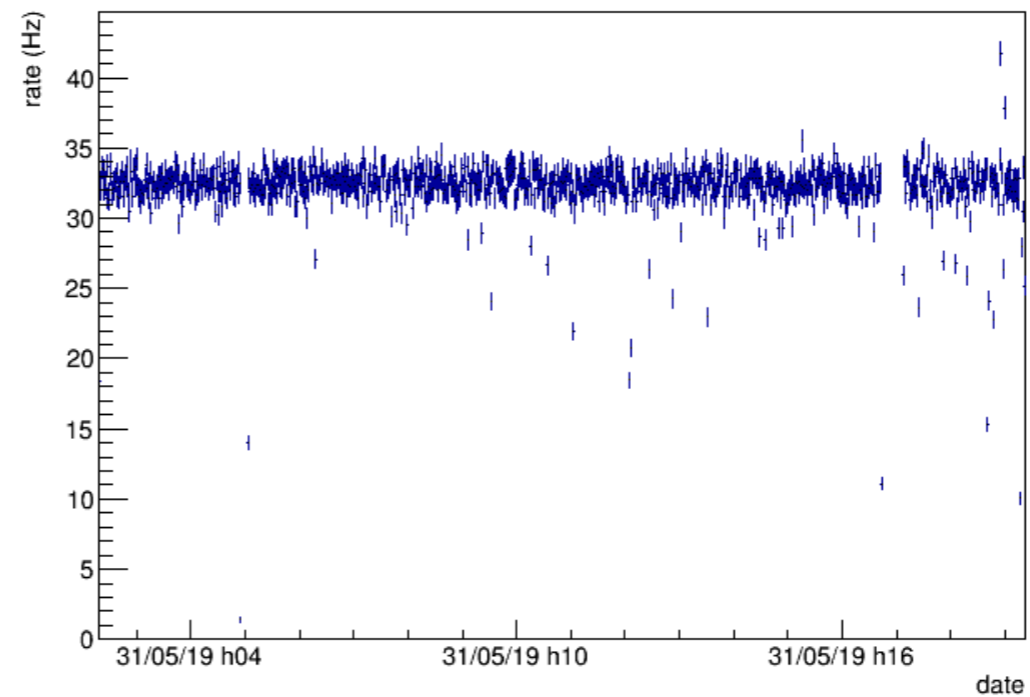
Trending Rate



Trending Rate



Trending Rate



POLA-01 started operations smoothly. We had a power failure due to a loose plug. 😬

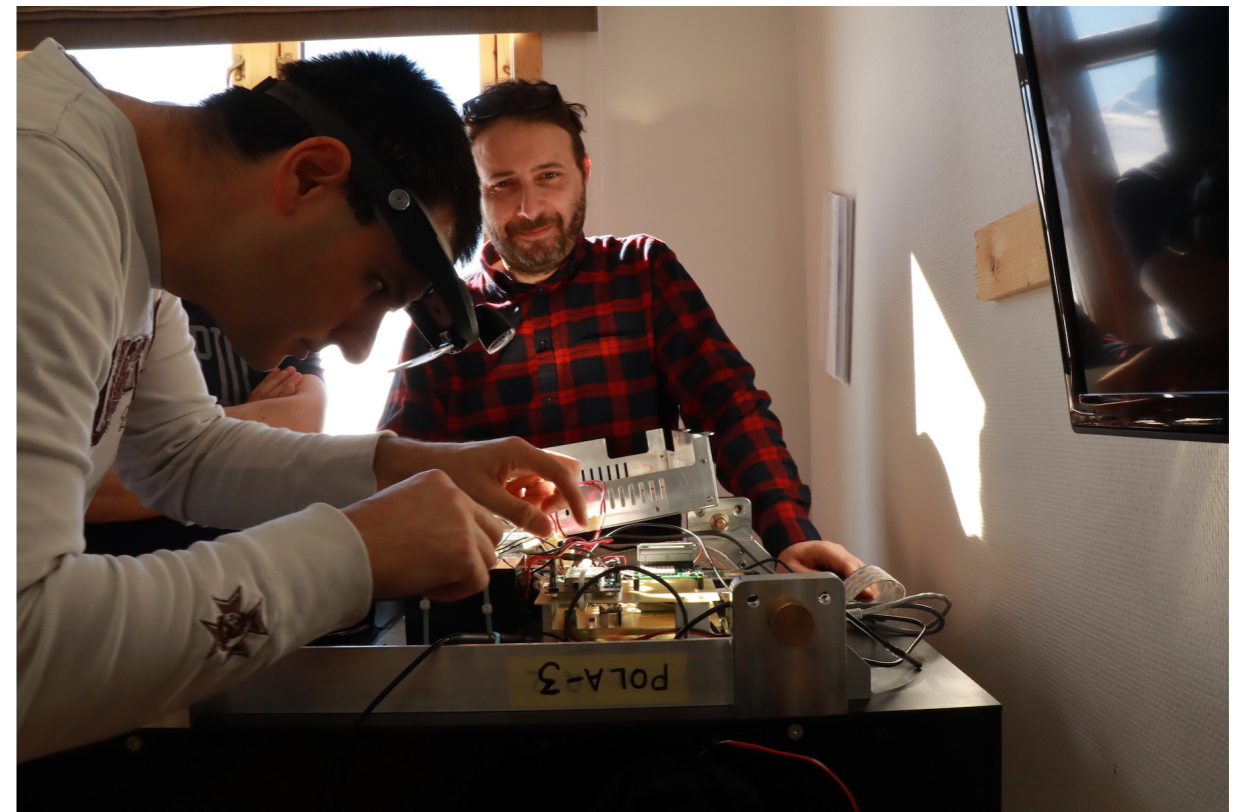
Everything fixed. 😊

POLA-03 Installation (May 29)

POLA-03 @ Dirigibile Italia



Easy installation, just change the room.
Detail: under CNR network

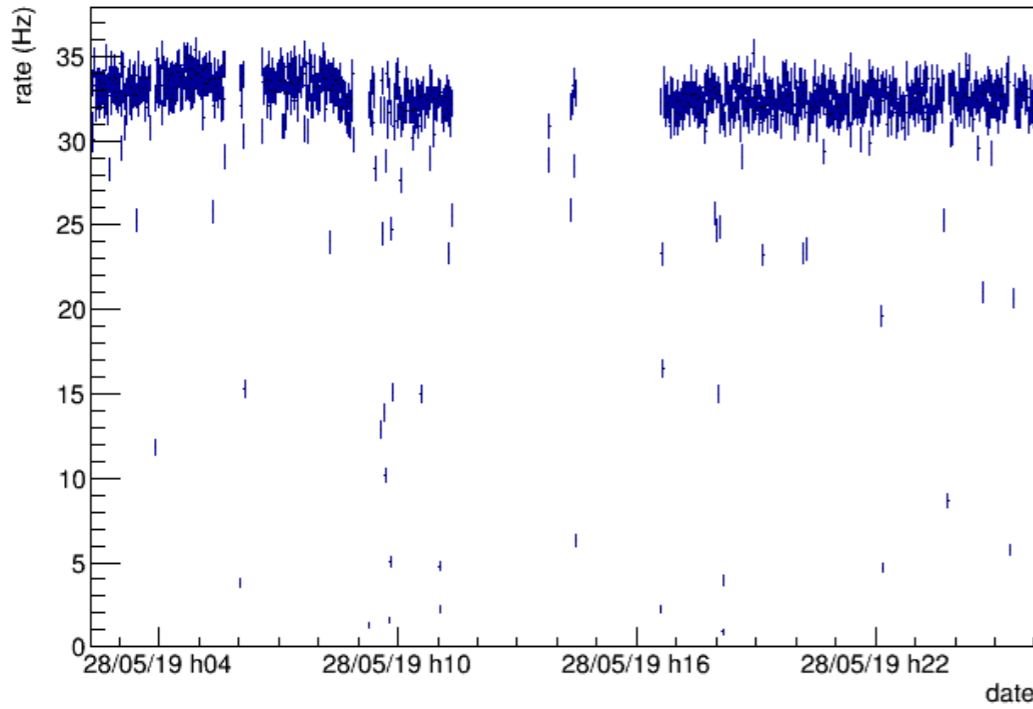


The detector has problems.

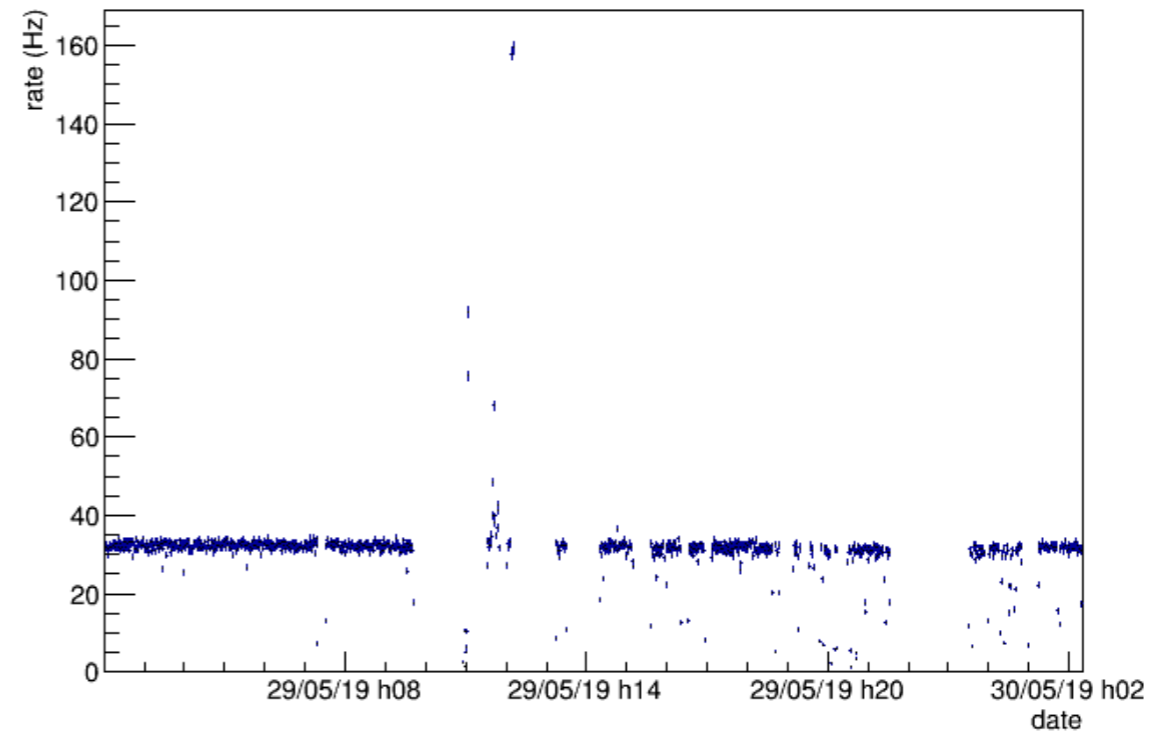
We are still investigating the possible reasons and solutions (both hardware and software). The problems affect the coincidence search.

POLA-03 @ Dirigibile Italia

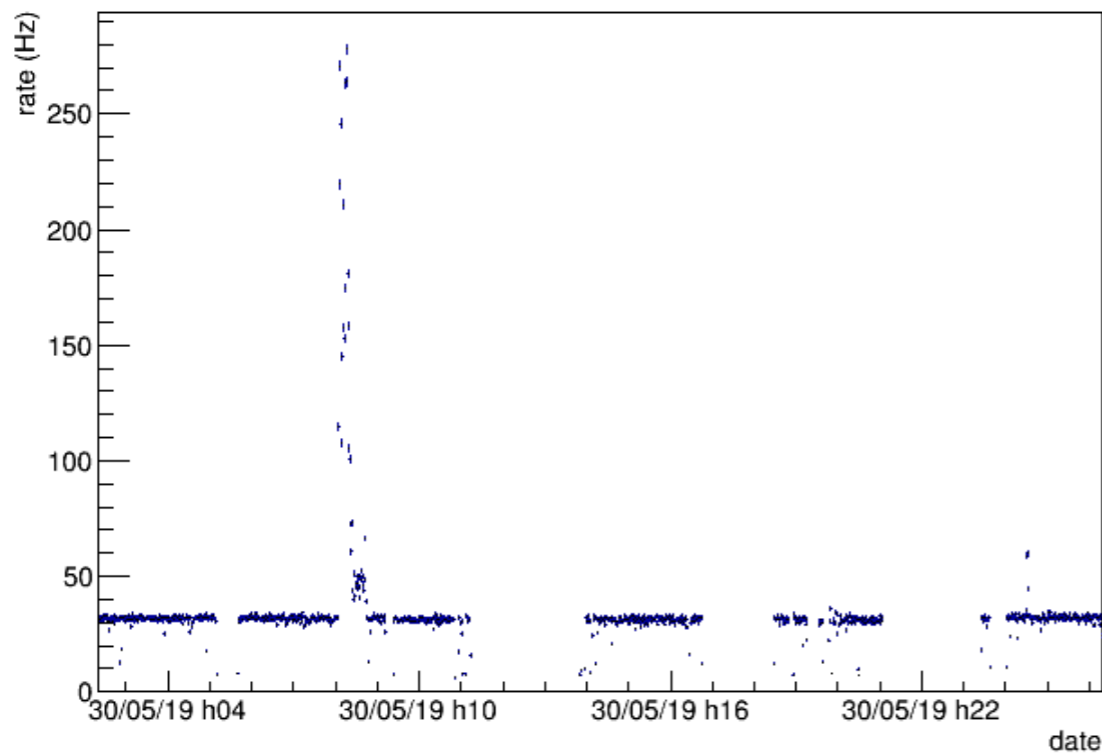
Trending Rate



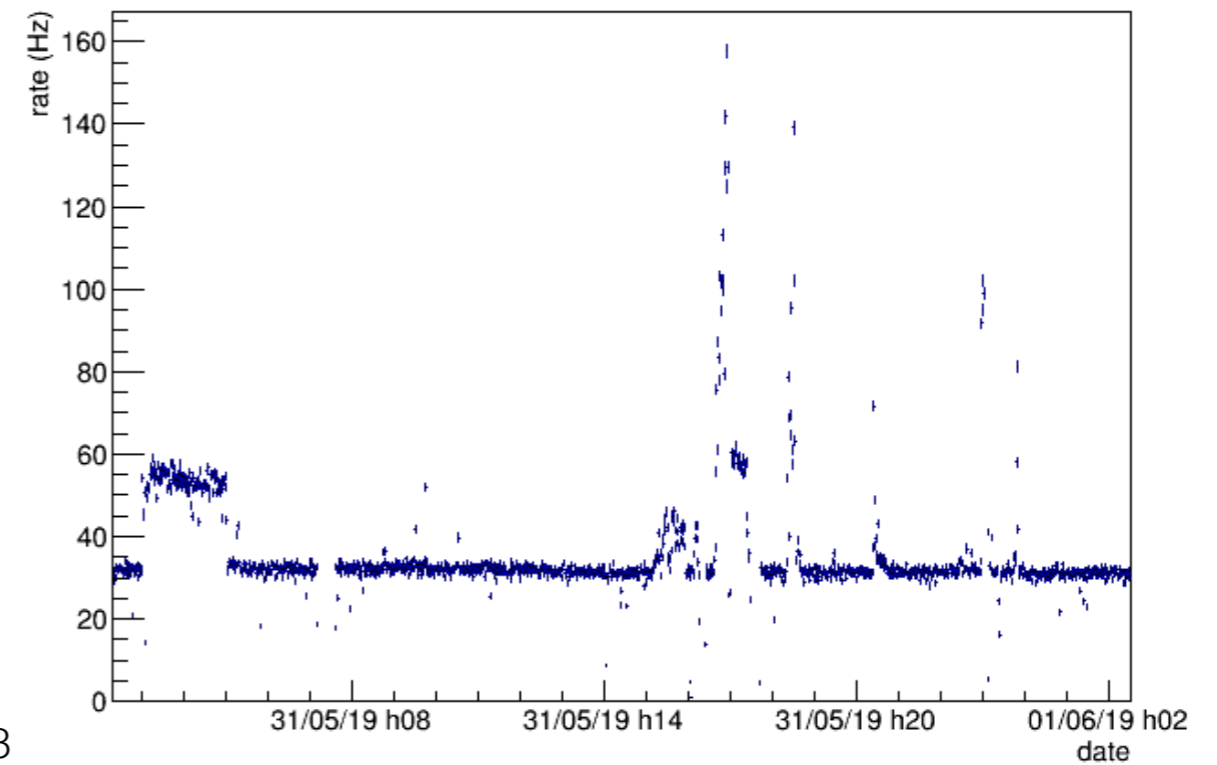
Trending Rate



Trending Rate



Trending Rate



A lot of work done by all



And first of all thanks to everybody

...and some work to do in the future

- **Keep monitoring -> Define procedures for CNR people on site**
- **Define actions for POLA-03**
- **We need to upgrade the DAQ software for automatic calibration runs**
- **Far future: possible new sites at Ny Alesund**

