Status report for the Wednesday’s meeting.

The design of [Top filter](http://gw.icrr.u-tokyo.ac.jp/cgi-bin/private/DocDB/ShowDocument?docid=399) and [IP structures](http://gw.icrr.u-tokyo.ac.jp/cgi-bin/private/DocDB/ShowDocument?docid=400) have been finished and the prototype has been ordered, the expected delivery is end of May. The order needs to be sent soon in April.

These parts will be normally cleaned, but not UHV cleaned, like for the [standard filter](http://gw.icrr.u-tokyo.ac.jp/cgi-bin/private/DocDB/ShowDocument?docid=273).

UHV cleaning would take 2-3 additional weeks.

I ordered all maraging parts, including a set of blades type A (the old ones that work properly) for the standard filter to be baked in one shot, the blades will be sent to Japan.

If the tests of the standard filter in the vacuum tank need shorter wires, we need to know immediately, to bake them in the same run.

The Top filter will be finished with priority, followed by the IP and its structure, and its sensors and actuators

The assembly of the top filter starting first. The IP will follow.

I expect to inspect the production more or less weekly, between teaching days at Sannio.

We are now designing the assembly procedure down the well, and the vacuum chamber, as well as the structure that will allow to move the type A chains forward and backward 10 cm.

By my arrival I should have a rough idea of the design cost (unless we do it by the week), as well as of the prototype cost. I assume that we will follow the usual thread, order a prototype inclusive of design, to be used for a bid request for the series production.

In parallel we will start designing the payload. I plan to discuss its conceptual design extensively in Japan during my visit. By then we need some decent simulation starting from Gianni’s “[Filter's chain](http://gw.icrr.u-tokyo.ac.jp/cgi-bin/private/DocDB/ShowDocument?docid=401)-version 2” or higher version.

Please accelerate.

Item that I would like to be discussed:

I would suggest that in the simulation we change to TM = RM = 50 kg.

We can mount the 10 kg mirror inside a 40 kg aluminum ring.

This way we would build a system closer to the final cryogenic design.

Does it make sense? With a 10 kg mass there is little problem with thermal noise.

I will probably be in Japan in the first week of April.

During that week I would like to start the conceptual design of what we could do at TAMA.