

Dear Katja,

Thank you for your comments. Most of them have been implemented or noted (see revised version of the paper). Some comments/follow up questions are listed below.

L326: Is the number of production centers really correct? Yes: 1x Switzerland, 2x Germany, 1xItaly, 1xFinland/Taiwan/CERN

L784/785: I am confused: system designed for 15kW, but each „system“ has 11kW > 22kW? Or how is this to be understood.

System is designed for 7.5 kW at the same time on each plant or 15 kW on one. But not for 2 times 15 kW. We reached 2 times 11 kW in normal operation (each plant independent) or one time 18 kW (one plant serving both manifolds). Which is anyway much better than what the system was designed for...

L853-856: What does the comment about repletion refer to?

L1150: FPIX reception was done at TIF

Fig 42: Caption rephrased. FPIX is still being installed.

L1252: yes, it means that they are either delayed or not.

L1406: Can we explain why the threshold is higher in FPIX?

The FPIX thresholds were raised very early in 2017 because the behavior could at that point not be reproduced in the simulation sensor needed for the computation of the templates (needed for the position resolution estimates). We prefer not to go into this discussion here.

Fig 45: Not sure what is unclear about the units?