

# **DAQ report**

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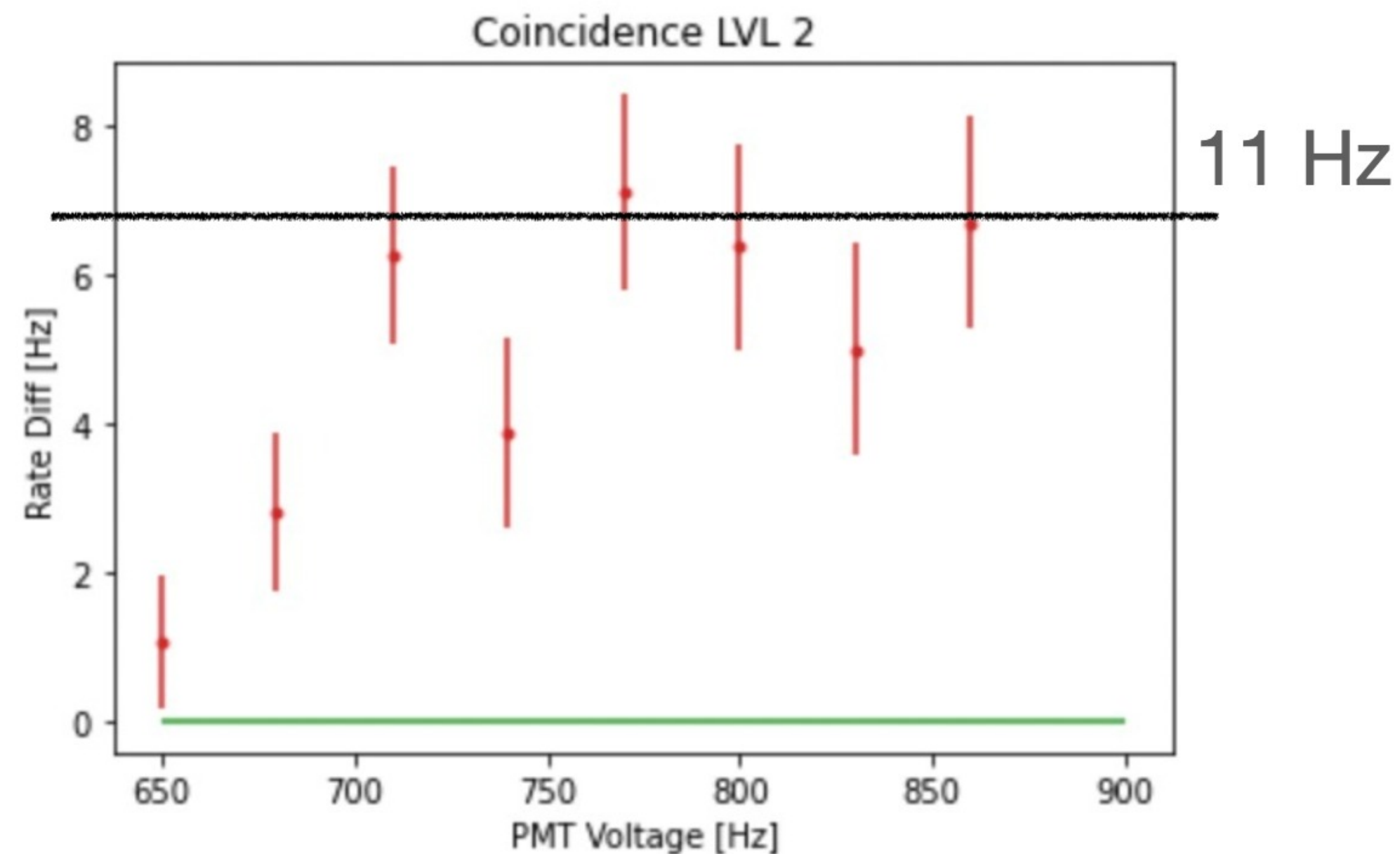
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# Recent activities at LNGS

- LIME is now collecting data underground @ LNGS
- We implemented and tested the new DAQ frontend developed at LNF in the previous weeks.
- We performed the optical alignment using a newly developed python code to assess the focus and the vertical/horizontal alignment of the camera
- We took a few data with and without the Fe55 source and preliminary measured the trigger rate in different configurations
- Now we are performing longer data-taking campaigns to measure the background, and, in the next days, more data will be collected with the Fe55 source

# Preliminary: Trigger rate and light yield

- Trigger configuration: at least 2 PMT, veto of 10 us

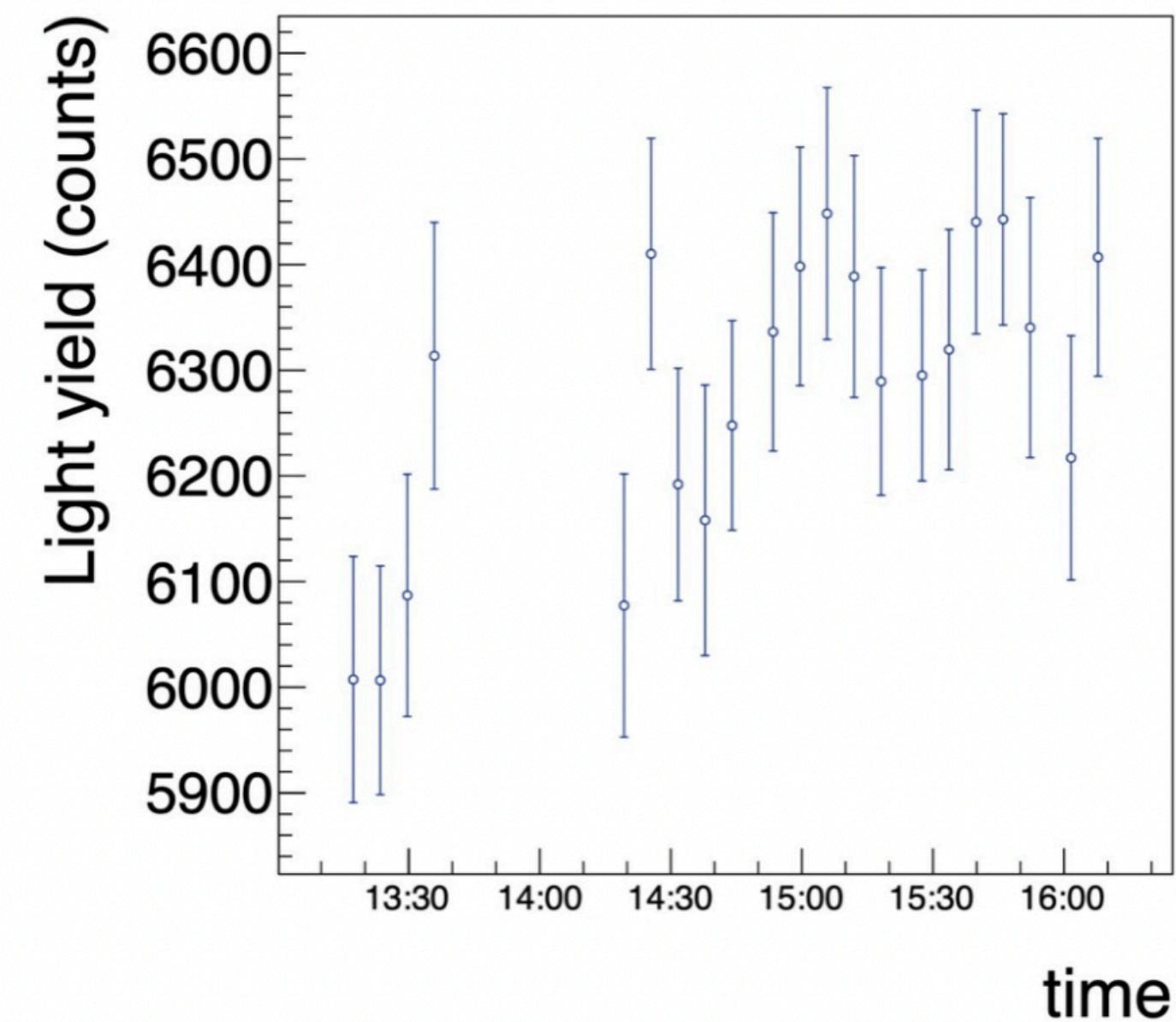


Trigger rate with  $^{55}\text{Fe}$  with majority 2

We observed a light yield increase with time and took data for 12 hours

These are the last points:

light yield still below LNF (around 9000)



# To do list

- Monitor the stability of the LNGS DAQ setup in the next hours
- Integration of the readout of the camera sensor temperature in the SC frontend
- Collect as much data as possible with and without the Fe55 source before the installation of the first layer of shielding