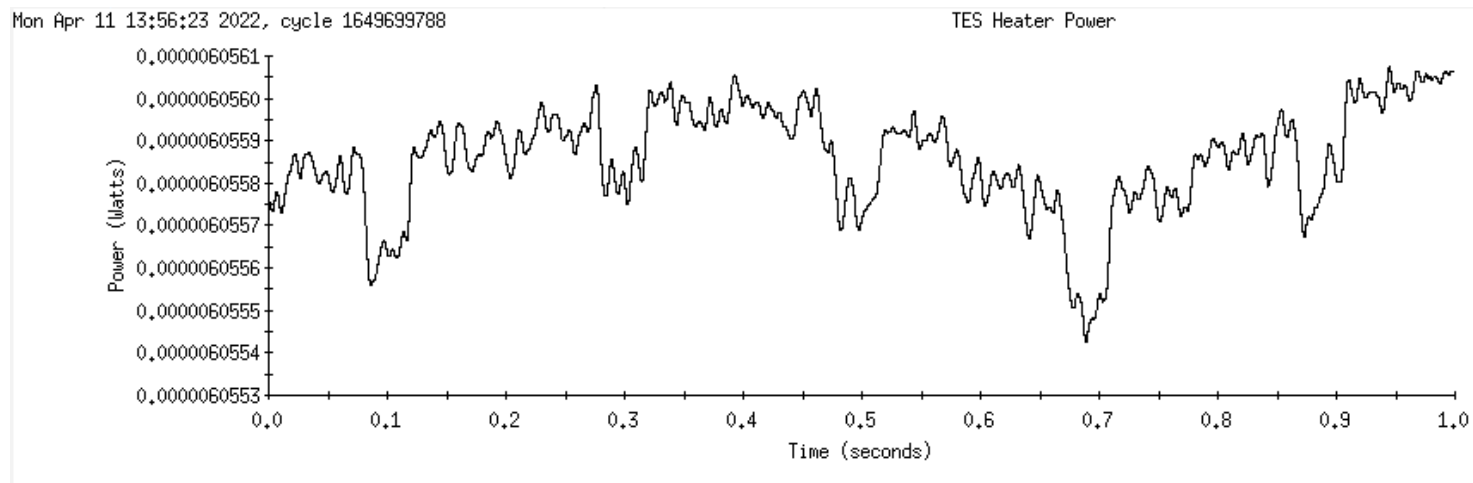


CeC PoP Experiment

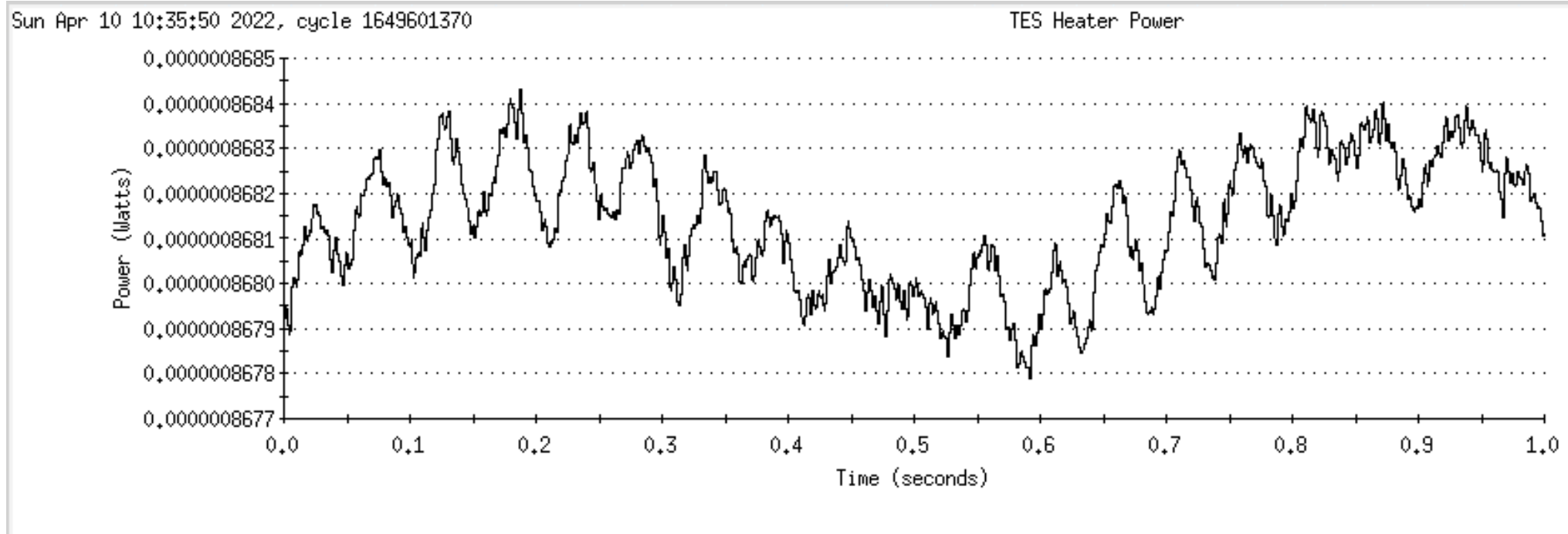
April 12, 2022

CeC Operation

- We continued work on the beam quality. We explored the operation with higher gun voltage and got better emittance but did not obtain proper peak current
- We found that observed signal on the bolometer is coming from the dump region. Adding shield reduced the spurious signal but not into the noise level.
- The wiggler was removed yesterday



Synchrotron radiation from protons



Frequency is about 19 Hz (second harmonic of girder resonance frequency? – sinewave is crossing zero twice). Its level is also much stronger in the beginning of the fill.