

---

# PAON-4 enhancement plan (April 2016)

---

- ❖ Analog electronic modules have been modified to decrease correlated noise repackaging, separation/filtering of power supply lines... - Correlated noise has been decreased by a factor 5-10 (lab tests)
- ❖ The modified electronic will be installed at Nançay early May - as well as some level of temperature stabilisation (sunshades, controlled heater in the electronic boxes)
- ❖ Plan to enhance the PC-correlator by increasing the network bandwidth (100 Gb ethernet) and optimisation of the visibility computation part - We hope to gain a factor 3-4 in the throughput (early summer ?)
- ❖ Intensive data taking over few months
- ❖ The work on the NEBuLA (fast autonomous digitiser) is progressing - we should be able to test it on PAON-4 mid 2017