

===== **Tianlai teleconf (9 April 2015) summary** =====

Attendance: NAOC, Fermilab, CMU, UW, LAL, Obs. Paris, Nançay, IRFU-SPP

NAOC: Xuelei Chen, Yidong Xu, Jiao Zhang, Fengquan WU

UW (Wisconsin): P. Timbie, Le Zhang

Fermilab: A. Stebbins CMU: Jeff Peterson

Obs. Nançay: S. Torchinsky

IRFU: C. Magneville

LAL: R. Ansari, J.E. Campagne, Qizhi Huang

This meeting web page and documents:

<https://indico.lal.in2p3.fr/event/2843/>

(modification pw = tian21cmte)

PAON-4 first light ceremony at Nançay 2 April 2015 (see slides)

Presentation by Xuelei on the status of the Tianlai instrument: (see slides)

Cylindres, receivers, optical fibers.

dish distance set to $d=8.8$ meters

Jeff asks the question of noise generated by the dish pointing system (electrical motors)

- Contract with institute 54 for receivers mass production - will be delivered in ~ 3 months

Discussion on the date for the next collaboration workshop and visit to the site

time window for the Tianlai collaboration meeting and visit to the site:

This visit is going to be an important milestone for the project and the presence of international collaborators would be very welcome.

This should happen in september, so that the construction is finished, but not too late, as the weather gets cold. There is also the KITPC cosmology workshop from sept 7 ... 25 in Beijing.

Possible weeks :

- first week of september (visit to the site around sept. 4th)

(this is also the beginning of the semester at universities (US, France ...))

- the week sept. 20 ... 27 might be also a possibility

Presentation by Peter Timbie on EM simulation of coffee can feeds

- Linear assembly of feeds and cylindrical reflector

- question of feed orientation (aligned with the cylinder axis in the current simulation)

maybe turn it by 45 degrees (see slides)

Some results (observations) using the cylinders (see slides)