

===== **CRT/Tianlai/BAORadio teleconf (11 October 2012)**
summary =====

Attendance: J.Peterson, T. Voytek, P.Timbie, Le Zhang, K. Bandura, A. Stebbins, X. Chen & collab, C. Magneville, R. Ansari, J.E Campagne, A.S Torrento, J.M. Martin

A- NSF-ATI proposal (P. Timbie)

Peter Timbie & J. Peterson are preparing a proposal for a filled dish array at GBT, using the casper correlator.

- Filled array, complete uv coverage
- foreground removal, GMRT is too sparse, while a factor 10^4 has been reached at GBT
- Paper is the most successful project in the US for raising money (see arXiv 11103.2135)

B- Instrument configuration and sensitivity

Xuelei will contact Shin Wang (John Hopkins) for Tianlai simulations

C- Tianlai activities in China (X. Chen)

- o Ue-Li visit for one week at NAOC (end of september) very productive
Ue-Li is still much in favor of cylinders for getting coverage of small u-values
- o A. Stebbins and Tzu Shin Chang visit also to NAOC
- o Removal of bright point sources is a major problem for 21cmArray. Data will be made available to korean colleagues by Hu Zhan
- o Visit by X. Chen group to inner Mongolia . Misuse of some instruments is the origin of bad measurements during site testing
- o Question of computing [dish + feed] response :
possible software: CST microwave studio (not so good for reflectors)
GRASP which has a free version, and FEKO which is used at GMRT
- o plans: site testing in november, tests at institute 54,
December: see fringes which chinese hardware

D- PAON status update (J.E. Campagne)

- o J.E. Campagne presents briefly the results obtained with the PAON-2 prototype at Nançay using sun transits. see slides
- o Xuelei will try to contact dish manufacturers

AOB

- o It is proposed to have the next Tianlai workshop in China next summer (July or August 2013),
which will hopefully coincide with the site ground breaking.
- o P. Timbie will try to setup a site for the white paper.