

## ===== CRT/Tianlai/BAORadio teleconf (8 November 2012) summary

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**Attendance:** J.Peterson, P.Timbie, Le Zhang, K. Bandura, X. Chen, Yichao LI, Fengquan WU, Jixia LI, Qizhi HUANG, R. Ansari, J.E Campagne, A.S Torrento, M.Moniez

### **A- NSF-ATI proposal (P. Timbie)**

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Presentation by Peter Timbie of the HSA-D (Hydrogen Structure Array Demonstrator)

proposal submitted to NSF-ATI program.

- packed dish array and the CASPER digitizers + PC-GPU correlator
- attempt to get funding for the US participants
- GBT site , observations, map making and foreground removal tests

### **B- White paper / Tianlai proposal writing**

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Peter Timbie will setup a shared LaTeX site. It is possible to edit directly the document on the web. Check the dropbox archive.

### **C- Tianlai update (X. Chen)**

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- o Xuelel Chen and Yichao LI visited Australia for observations with PAST
  - o Visit by Dan Werthimer (UC Berkeley/CASPER) to China / FAST
  - o Collaboration with the CASPER group by Tianlai/Institute of automation should be considered
  - o Site testing ongoing : one quiet site has been identified in Inner Mongolia, trip to western Tibet, near the border with Pakistan
  - o Hardware test will be performed in the Mi Yun observatory, near Beijing.
  - o Test plan; D~5m dish with Jeff sleeved dipole feeds, + Institute 54 electronics.
  - o Jeff Peterson plans to spend ~2 weeks in China, from december 10th, for tests in Mi Yun.
- Few dual polarisations feeds are being made in Pittsburgh.
- o Jeff would welcome help during the Mi Yun tests

### **D- Discussions**

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- o P. Timbie is impressed by the boards being developed by the Institute of Automation.
- He suggests to setup a coordination/collaboration with the CASPER group
- o Jeff Peterson suggests to use whenever possible standard communication protocols, in particular the one defined and developed by the CASPER group.
  - o A visit to the Berkeley wireless lab would be useful.

**AOB**

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- o Teleconf time would be at 14:00 GMT
- o The mailing list [bao21cm@fnal.gov](mailto:bao21cm@fnal.gov) should be updated.