# Development of the new DAQ system for the SD array of TA×4 and TALE

*Tuesday 11 October 2016 15:40 (30 minutes)*

The data acquisition (DAQ) system of the surface detectors (SDs) of the TAx4 and the TALE experiment will be presented. Each SD records signals with 50MHz FADCs and sends the data to a central communication center (or the "communication tower") via a wireless network system. The techniques employed here are based on the currently-running DAQ system of the Telescope Array, and there are some improvements including the replacement of i) the wireless-LAN module with a custom protocol to another one with TCP/IP, and ii) the "tower electronics" to a generic Linux board (Raspberry Pi Type II B). The details and performace of the new DAQ system will be presented at the conference.

## Presentation type

poster

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