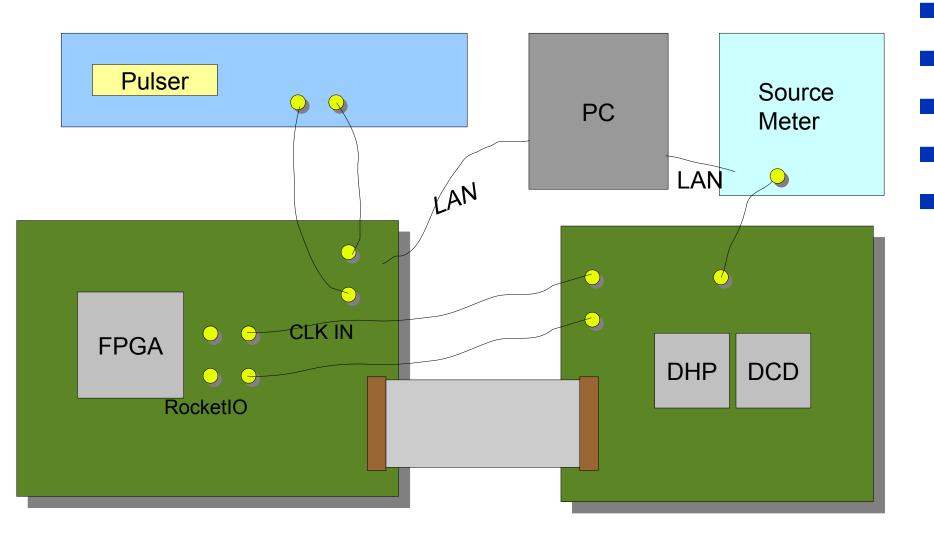


Status Report DHP-DCD Testsetup

Evo Meeting, 31.05.2011

Philip Pütsch





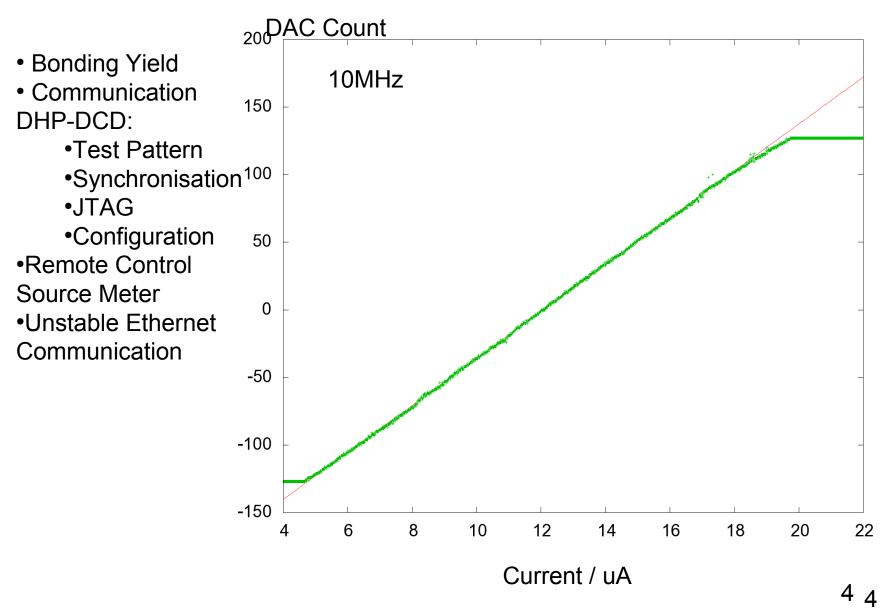


universitätbonn Results – DHP Memory

- Stored random Data to DHP Memory
- Read back every 30s via High Speed Link
- After 4 Days of Operation no errors Detected
- → Memory Working in no-Irradiation Condition

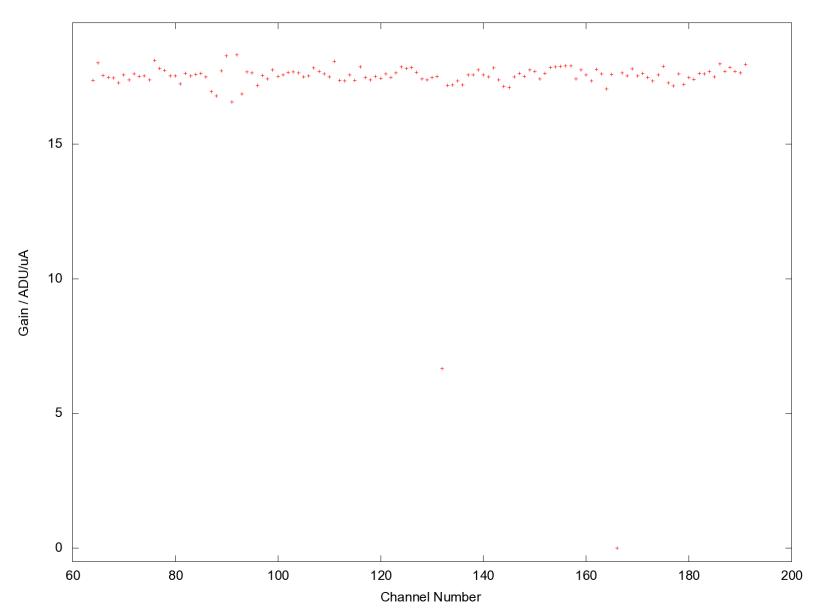


universitätbonn Problems and Results



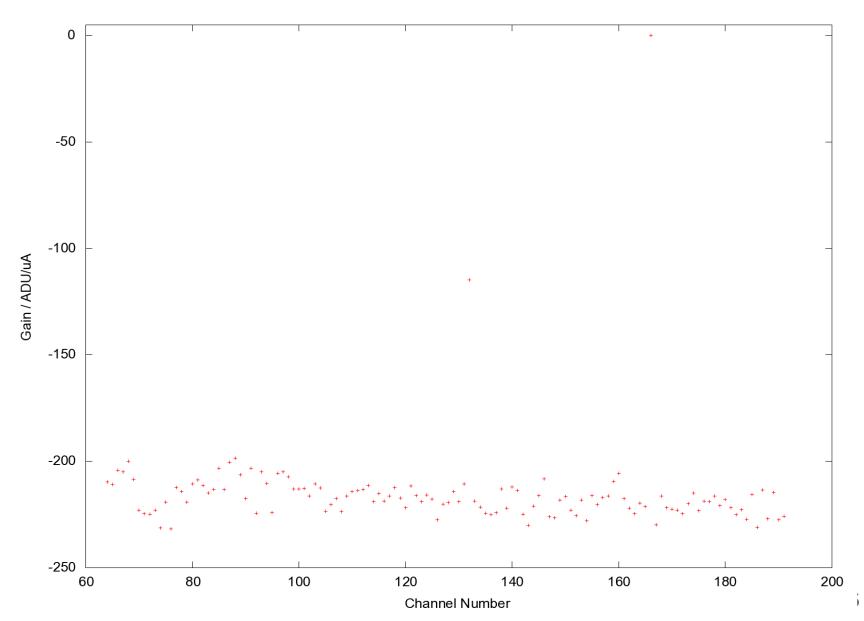


Results - Gain



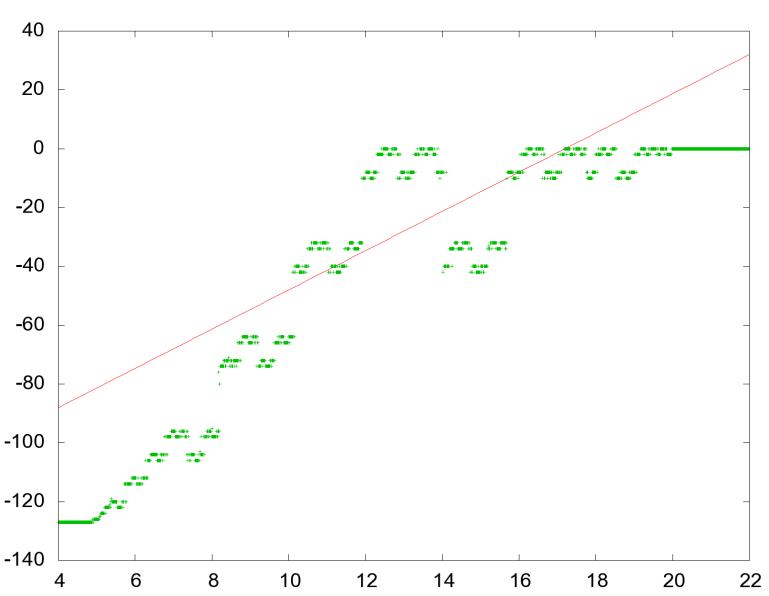


Results - Offset



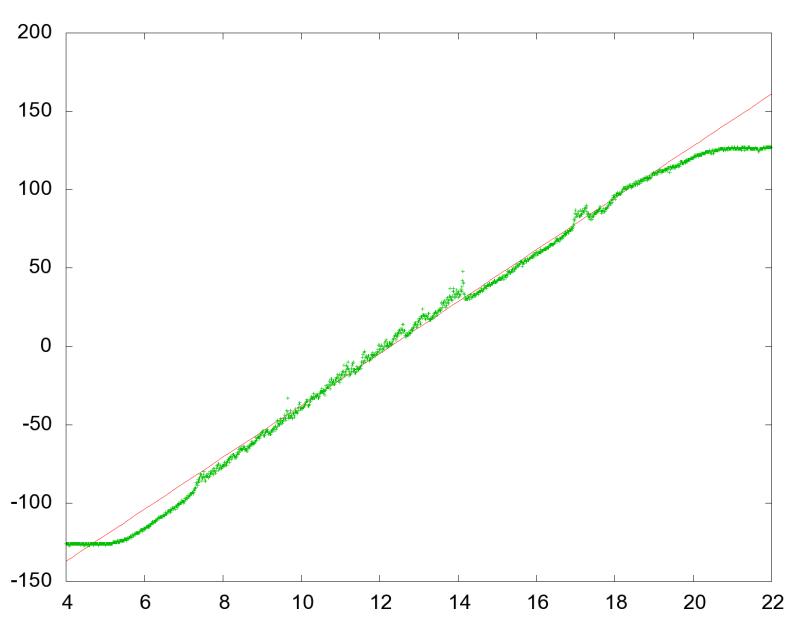


universitätbonn Results Channel 132



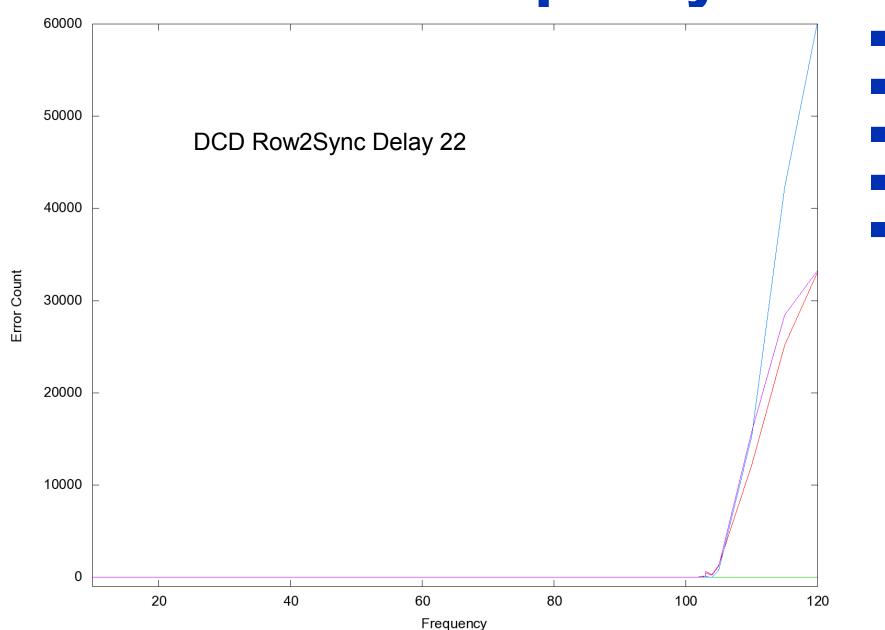


universitätbonn Results – Channel 91

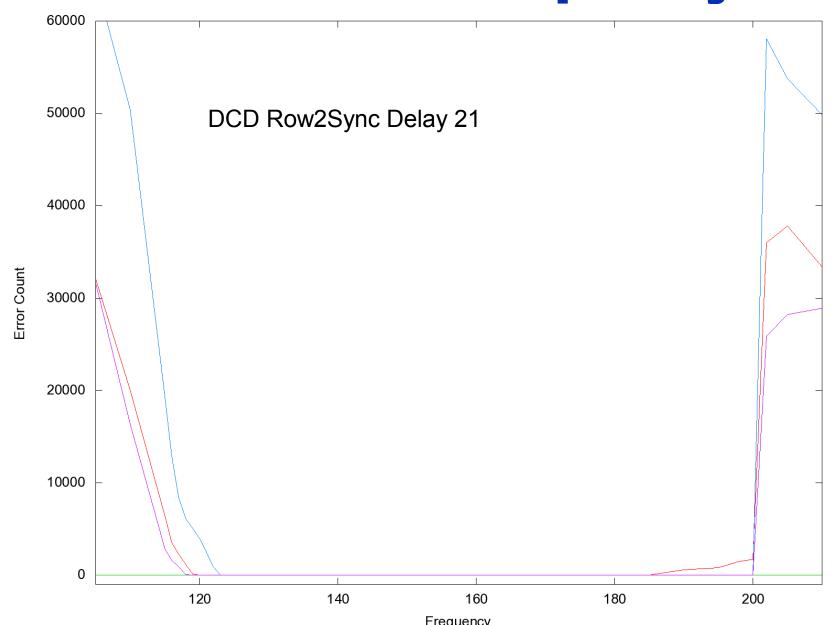


8

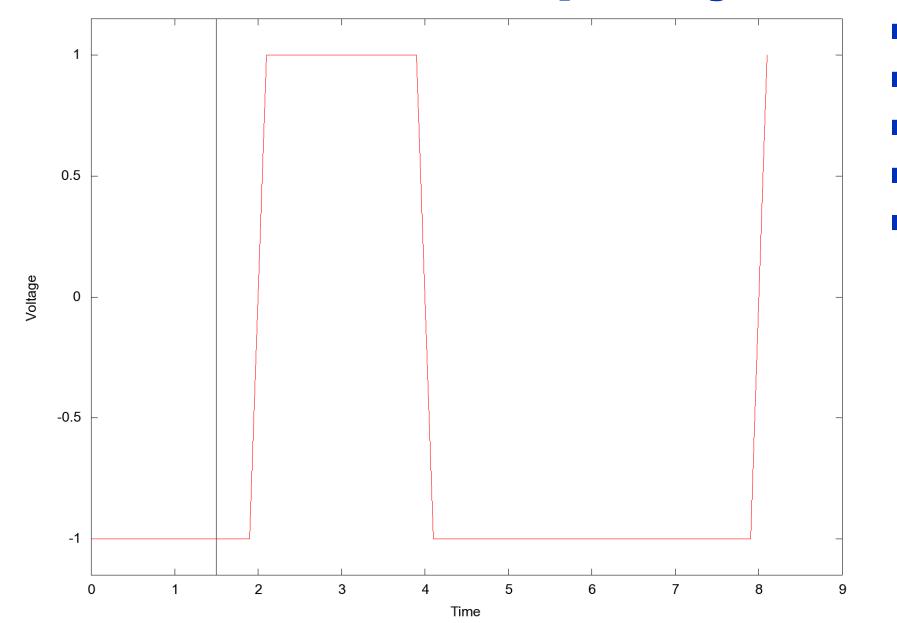




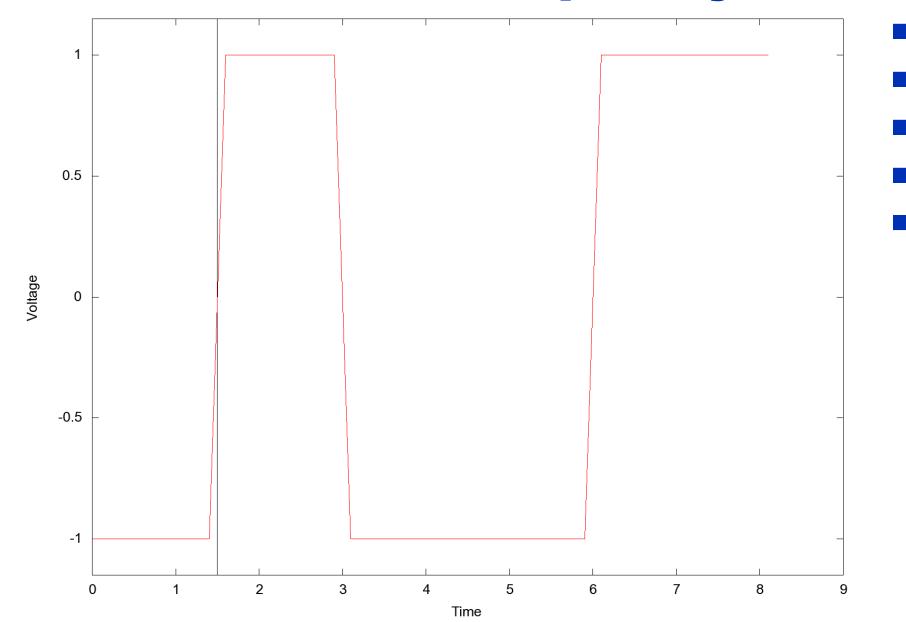




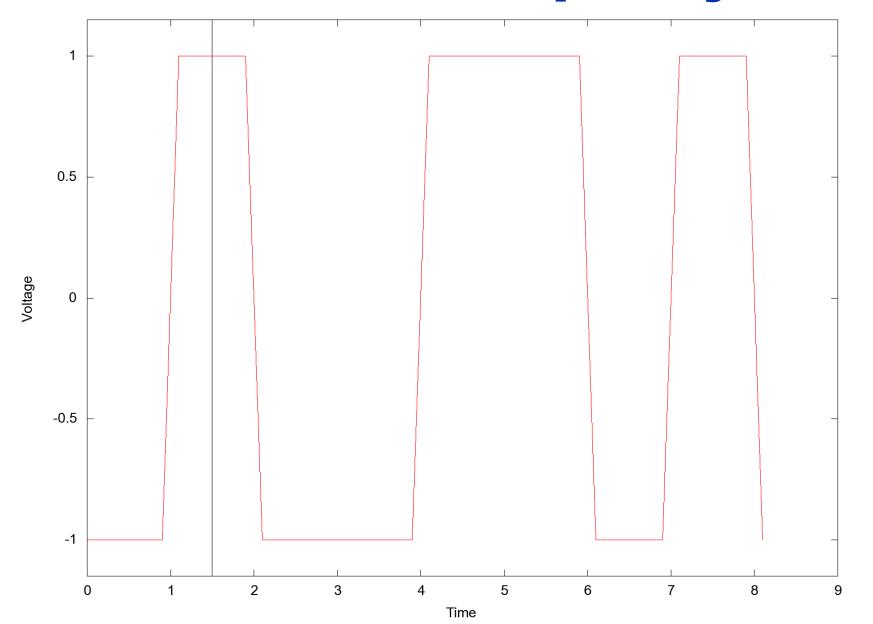






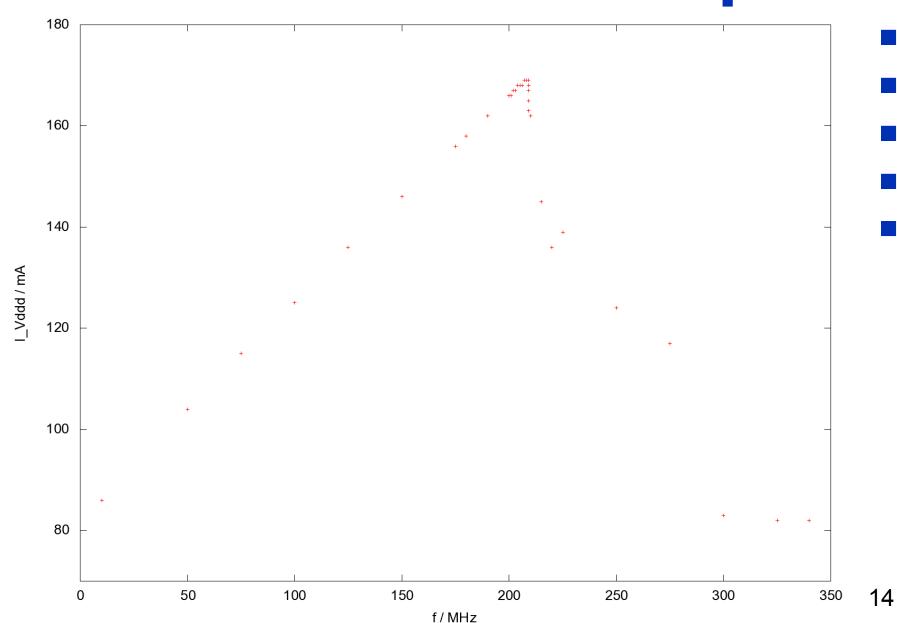








DCD Power Consumption .





universitätbonn Summary & Outlook

- DCD and DHP communication operating
- Bugs in DHP found, will be fixed in 0.2
- DHP Memory working
- Synchronisation Problem
 - Shifting Voltages?
 - Maybe solved by additional Wirebonds
- Final Speed not reached yet DHP Driver **Problems**
- Irradiation with Protons/Electrons???