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8:00 AM

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* NPDR header w/ 5 parts
Vince - extra bytes.
clock cycles

* data compression - ?
• template ?
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* time bins - ? for analysis
• washing out Bragg edges
• want to set the wavelength.
• oversampling ?
• David: $4\mu\text{s}$ filter in preamp.
3 μs 3-pole anti-aliasing filter in Δ -E ADC.
• NPDR: Basel filter + average.

* μDST 's. -
Vince: helpful organizing tool:
block diagram of DAQ.

* configuration log:
• archive settings files
• run data base

* fast ADC's counting mode
• NPDR M4 $\rightarrow$ counter

- in NPDx after we fill.
- * scalers - pulse counting.
- * I'll post correspondence w/ D-tAcq.
 - + and user manuals
 - + DAQ diagram
- * Simulation:
 - + need to know the ^{TOF} time profile of each wire.
 - Michael: collection time depends on gas, field
 - + subpackages
 - Mcstas - beam prop.
 - Geant4 - detector prop.
 - MCNP - radiological