

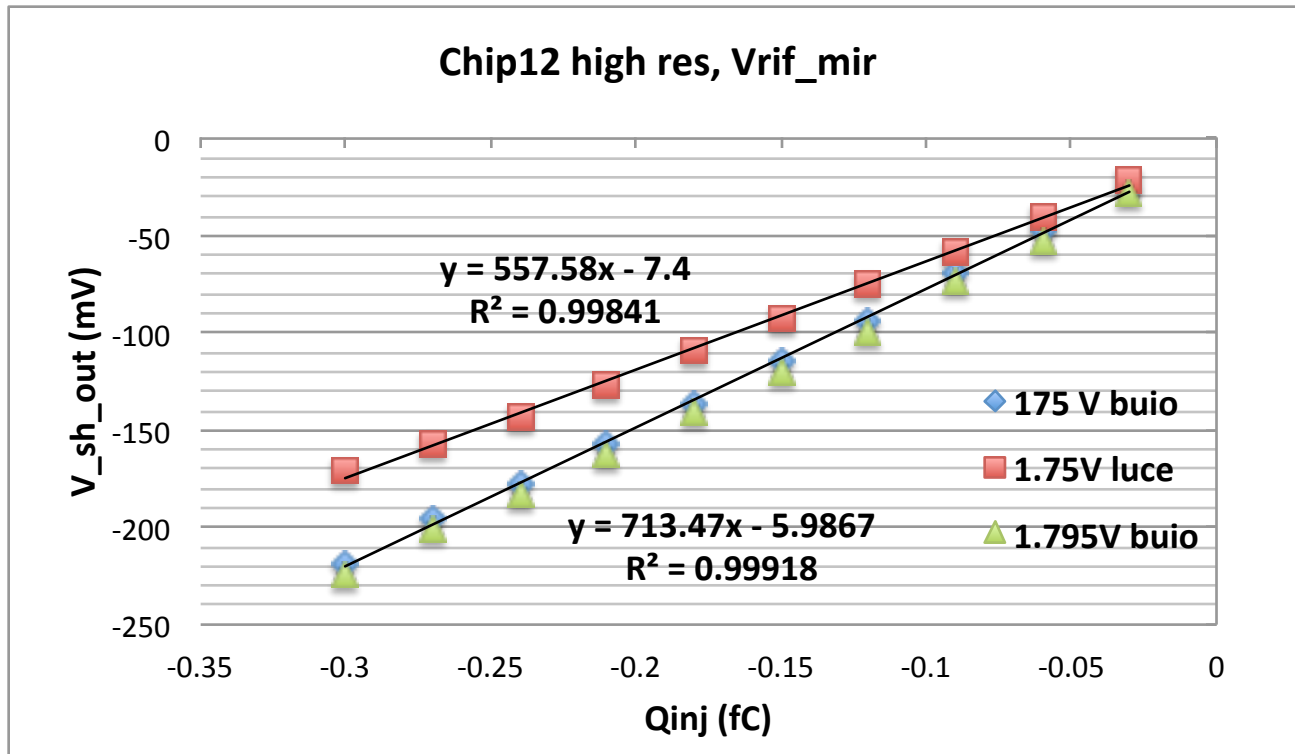
Test on 32x32 INMAPS matrix (high resistivity)

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- Results reported here from old tests performed in September
- Next week (after 3DTC tests are completed) switch back to INMAPS
- Main goal understand where to set the threshold!

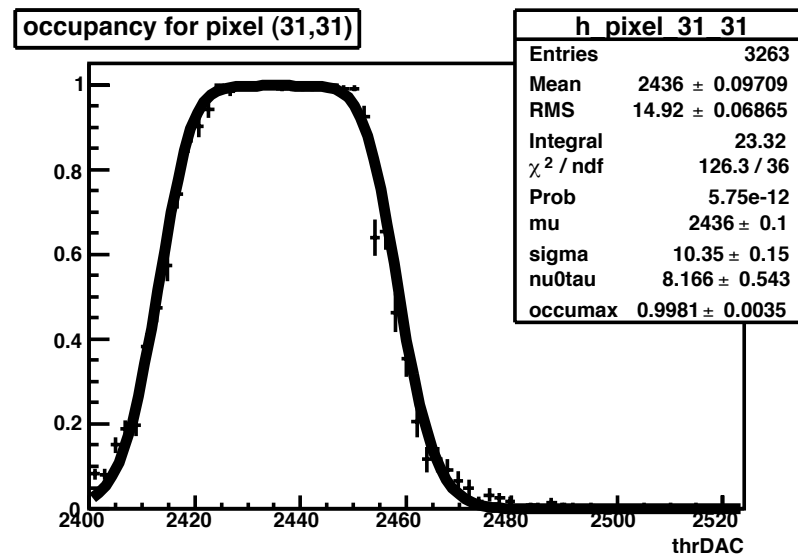
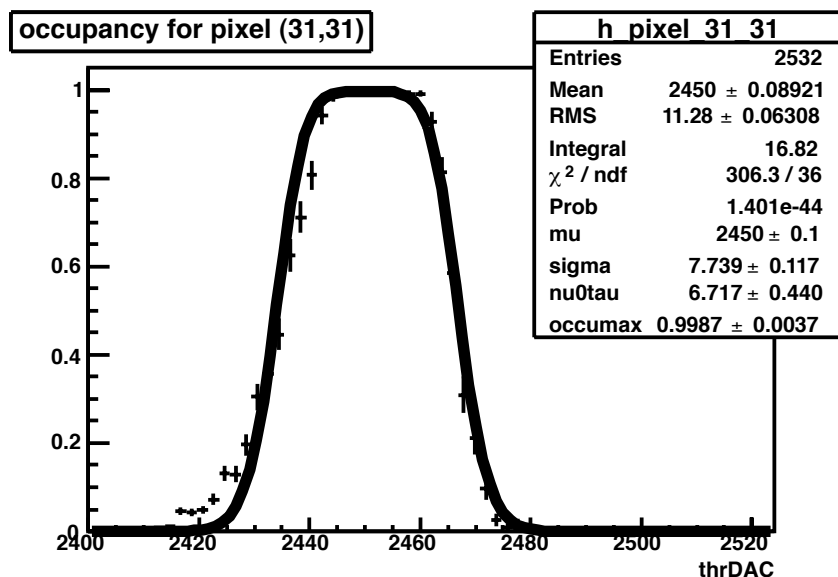
INMAPS chip12 high res

- High sensitivity of analog response to light
- Gain on pixel 31,31 (no light) = 713 mV/fC



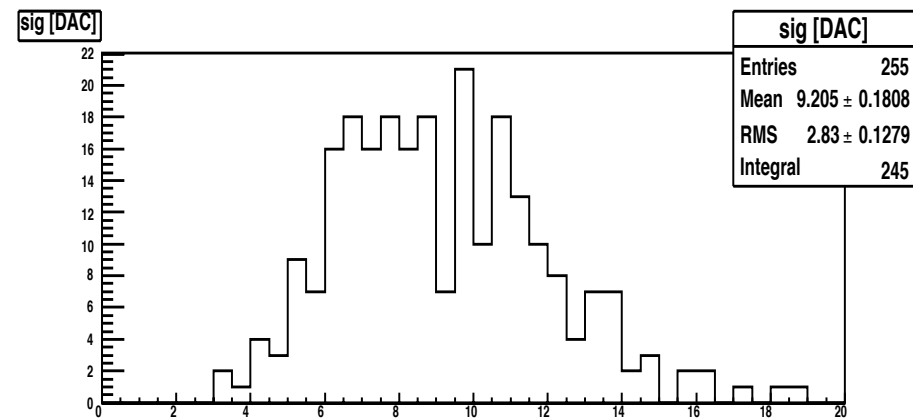
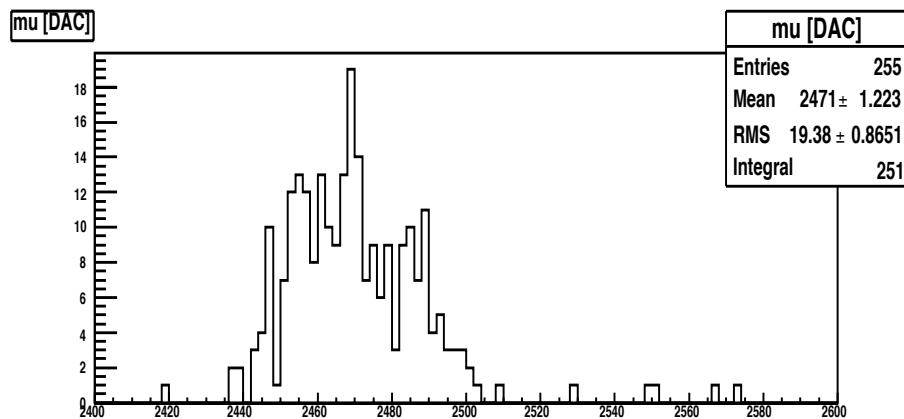
INMAPS chip 12, high res

- Higher sensitivity to V_{rif_mir}
- Noise scan done with V_{rif_mir} @ 1.75 -1.795V:
 - fitted noise 2.5-3 mV while noise measured with scope was 5 mV



INMAPS chip 12, high res

- Assume baseline from noise scan is correct! ~ OK
- Threshold dispersion ~ 6.5 mV (noise 5.1 mV) OK
- Noise+gain dispersion from digital measurement 30% : is this a hint of a large gain dispersion?



- Gain measured with Fe55 and Cinj only on pixel 31,31 what about the others?
- Need to measure gain for all channels and dispersion with Fe55 digital spectrum as done in 3DTC.