

Update

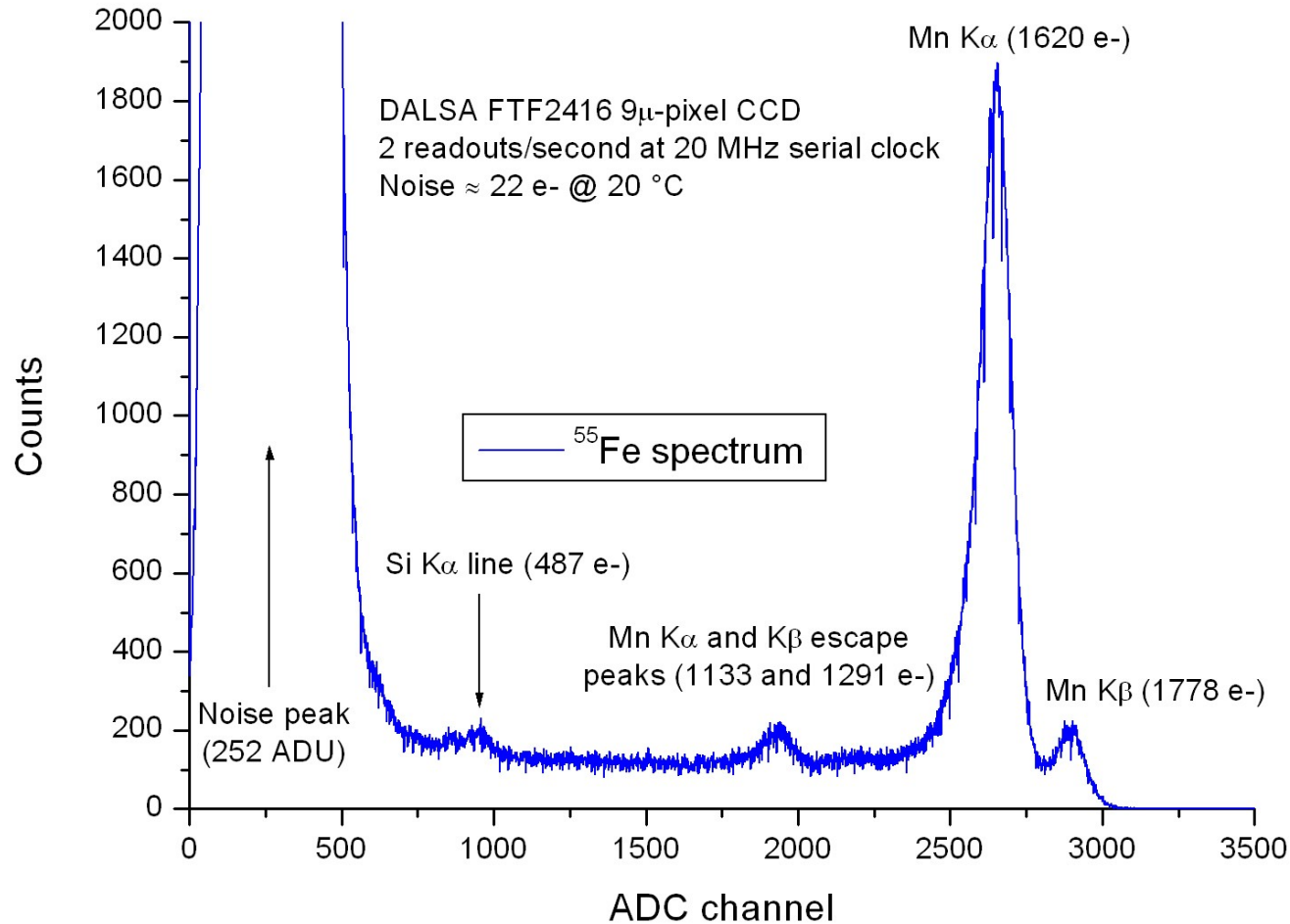
- Some more Fe55 stuff

Some details about ^{55}Fe

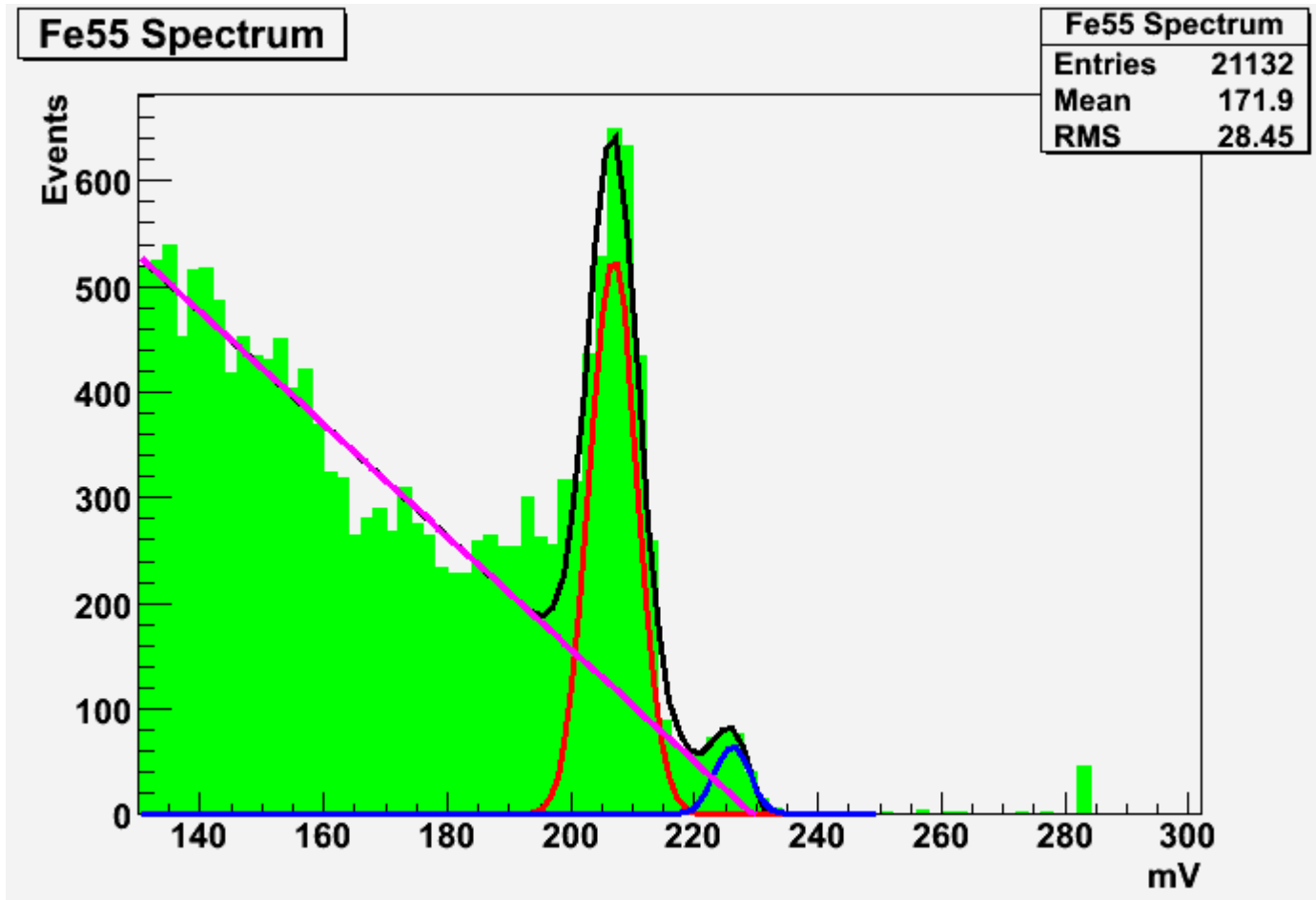
Gamma and X-ray radiation:

	Energy (keV)	Intensity (%)
XR I	0.64	0.66 % 10
XR $k\alpha_2$	5.888	8.2 % 4
XR $k\alpha_1$	5.899	16.2 % 7
XR $k\beta_3$	6.49	0.96 % 5
XR $k\beta_1$	6.49	1.89 % 9

Spectrum from Konstantin



12 μm no deep p-well



16 days of data taking

The numbers

- Big Peak : Mean=206.85 Width=3.88
- Small Peak: Mean=226.10 Width=2.88
- Peak Ratio Big/Small
 - 0.915 (measured)
 - 0.908 (from data sheet)
- BR ratio
 - 8.2 (measured)
 - 8.6 (from data sheet)

Gain & Noise

- Gain
 - Big Peak : 128 $\mu\text{V}/e$
 - Small Peak : 127 $\mu\text{V}/e$
- Noise
 - Big Peak : 30.2 electrons
 - Small Peak : 22.5 electrons

using a new fit model

- $x + \exp(x) + \text{Gauss}(1) + \text{Gauss}(2)$
 - describes it reasonably well
 - not perfect
- Gauss with tail needed ...