ECal fADC readout first data

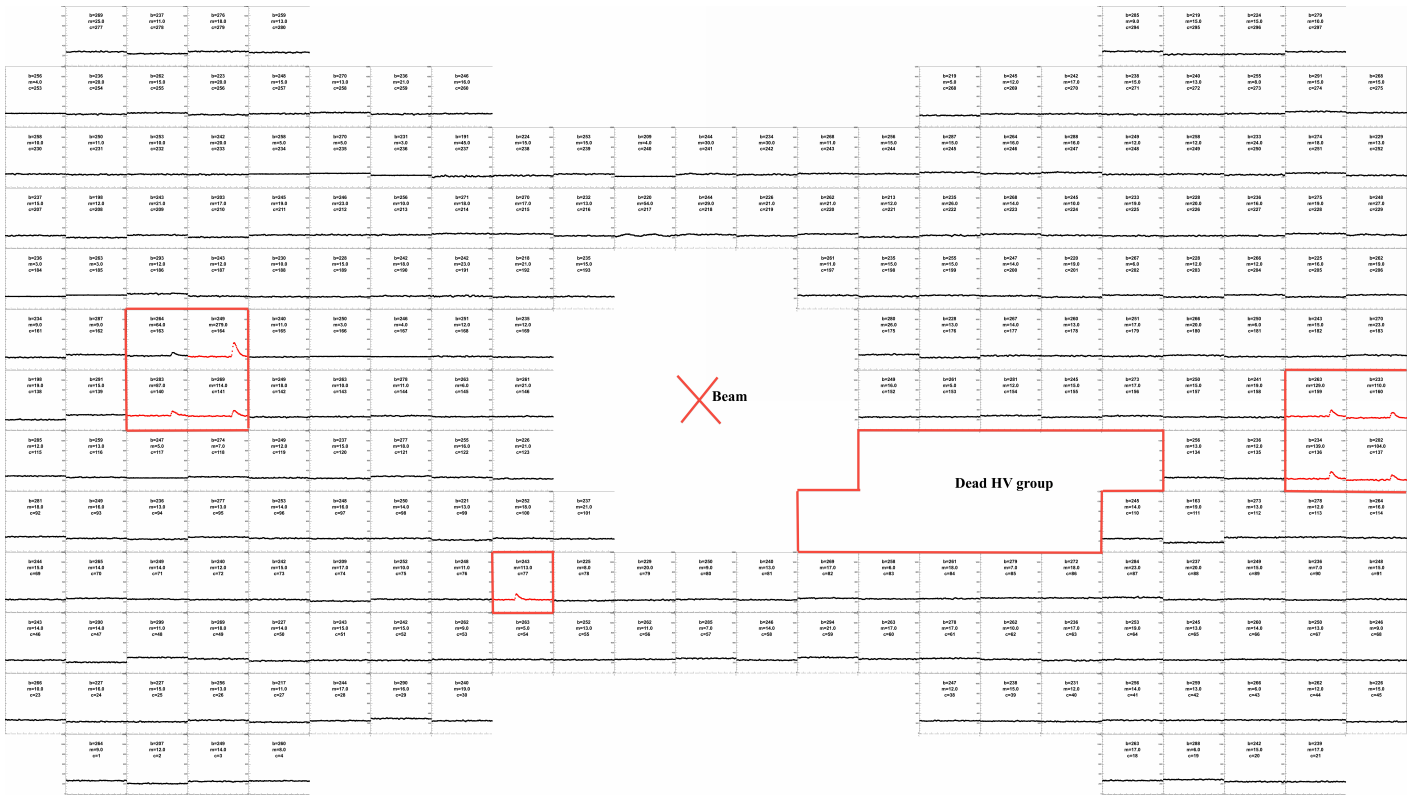
Jan 7th 12

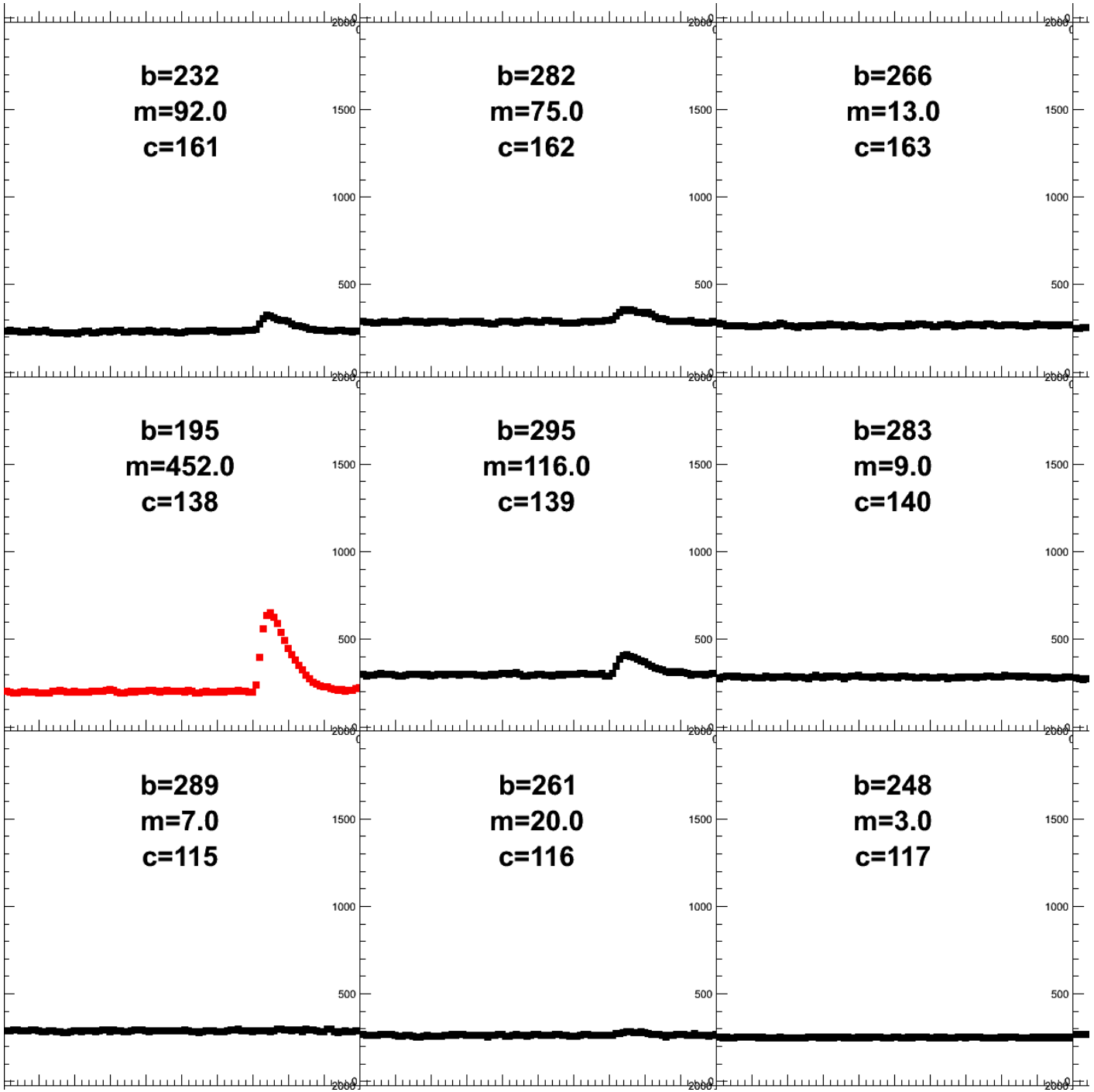
F.-X. Girod

Overview of one event

Trigger on e^+e^- full window 100 fADC samples at 4 ns 12 bits 1 count $\sim$ 0.25 mV

baseline $\sim$ count 200 - 300





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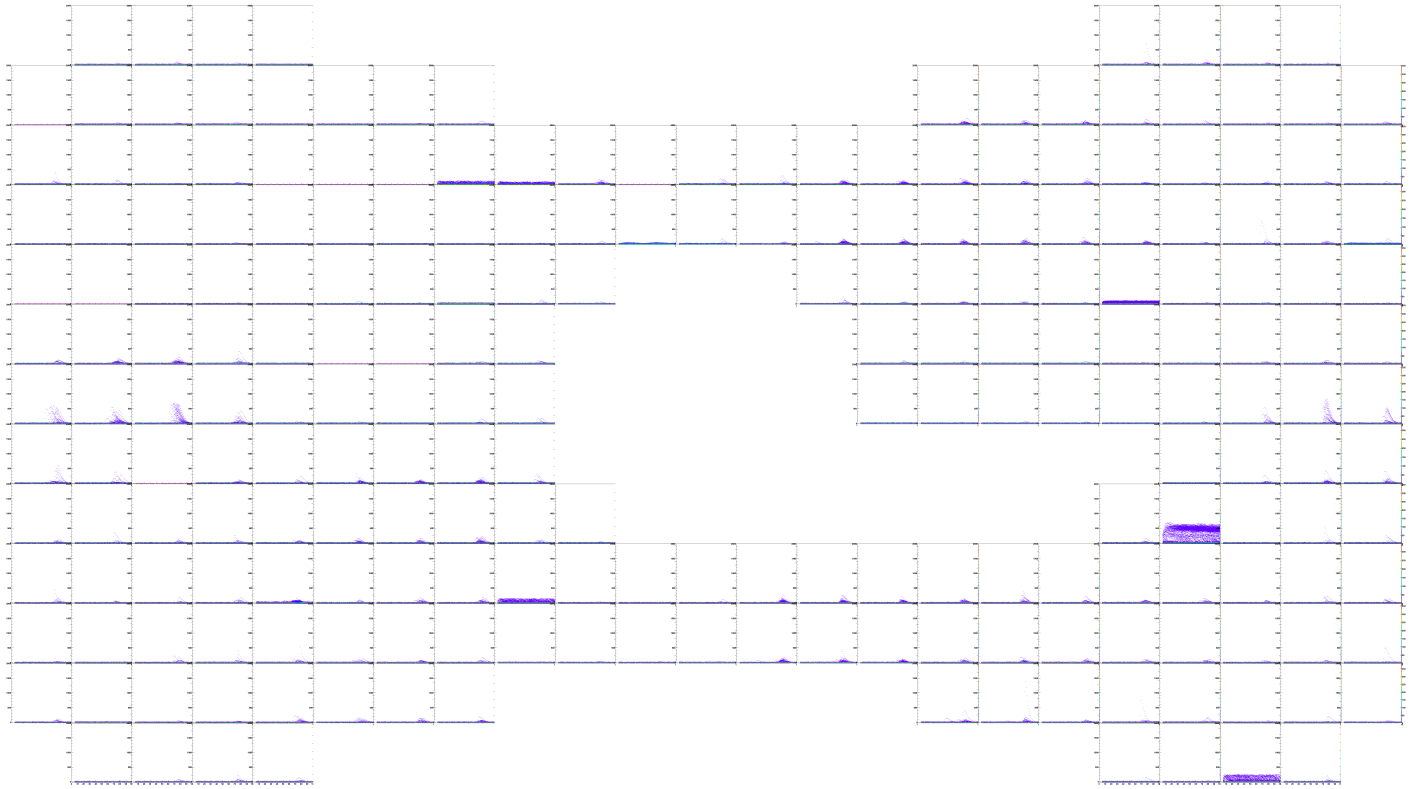
Full spectrum



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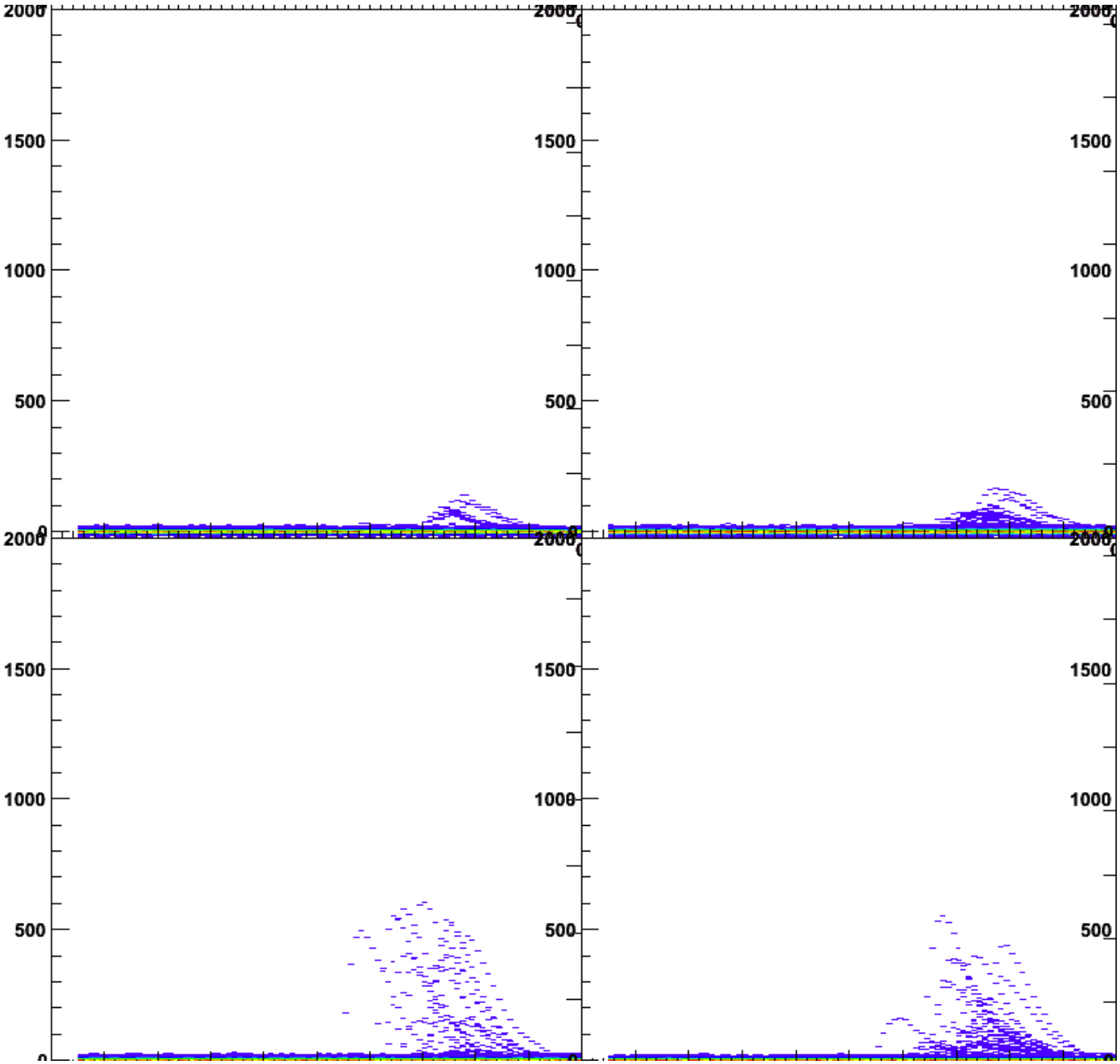

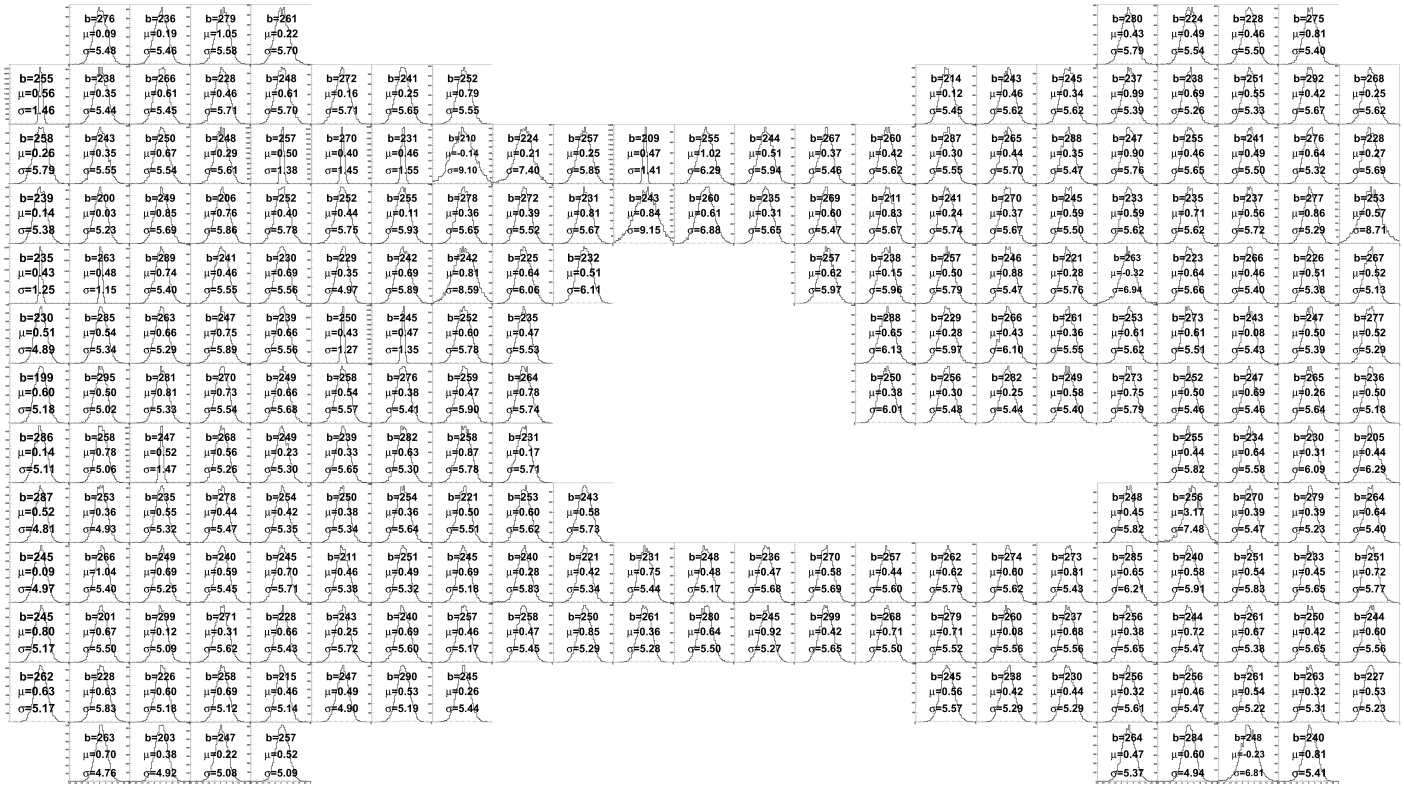
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b=236 μ=0.19 σ=5.46
b=279 μ=1.05 σ=5.58
b=261 μ=0.22 σ=5.70
b=280 μ=0.43 σ=5.79
b=224 μ=0.49 σ=5.54
b=228 μ=0.46 σ=5.50
b=275 μ=0.81 σ=5.40
b=255 μ=0.56 σ=1.46
b=238 μ=0.35 σ=5.44
b=266 μ=0.61 σ=5.45
b=228 μ=0.46 σ=5.71
b=248 μ=0.61 σ=5.70
b=272 μ=0.16 σ=5.71
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b=252 μ=0.79 σ=5.55
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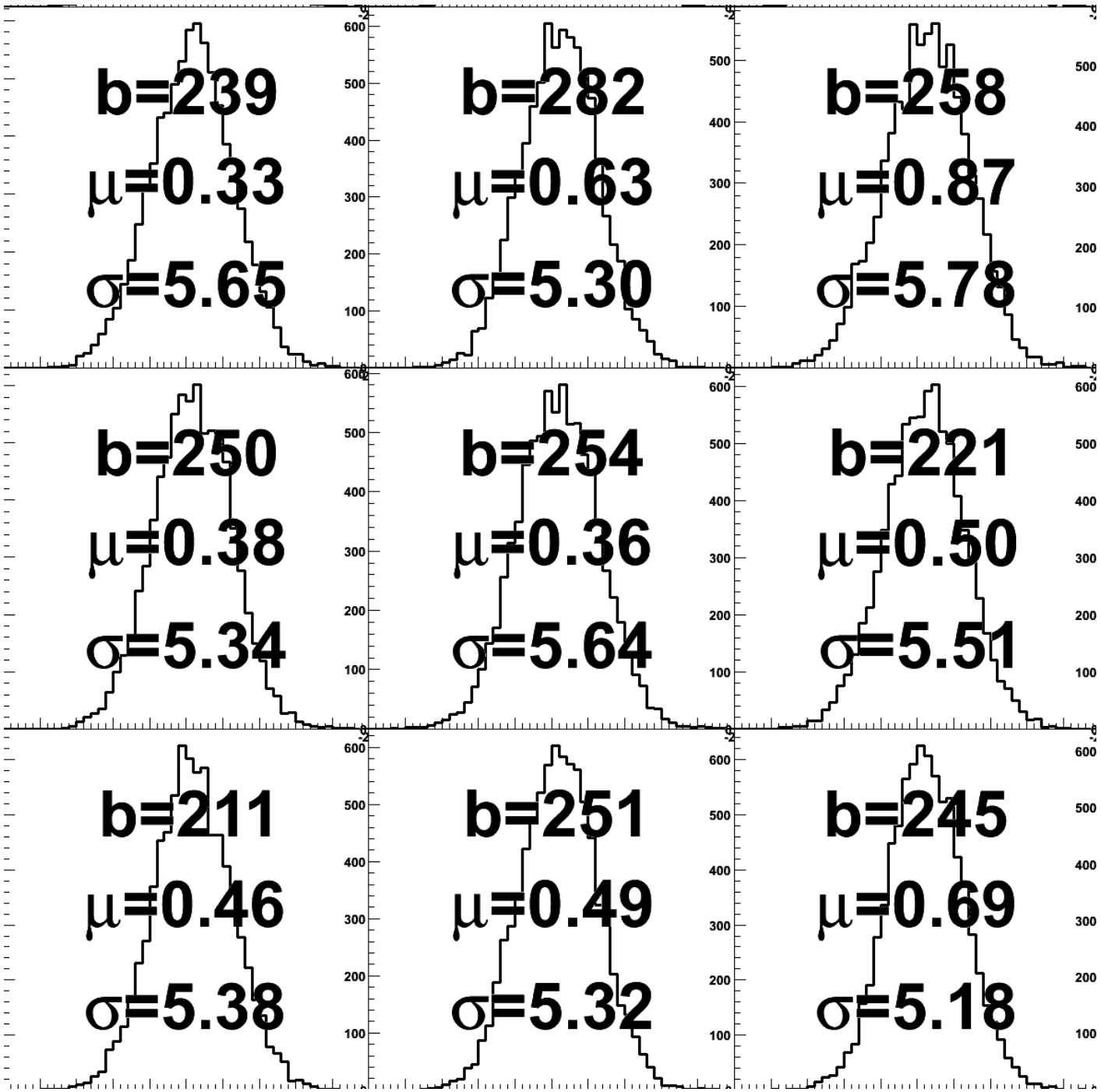

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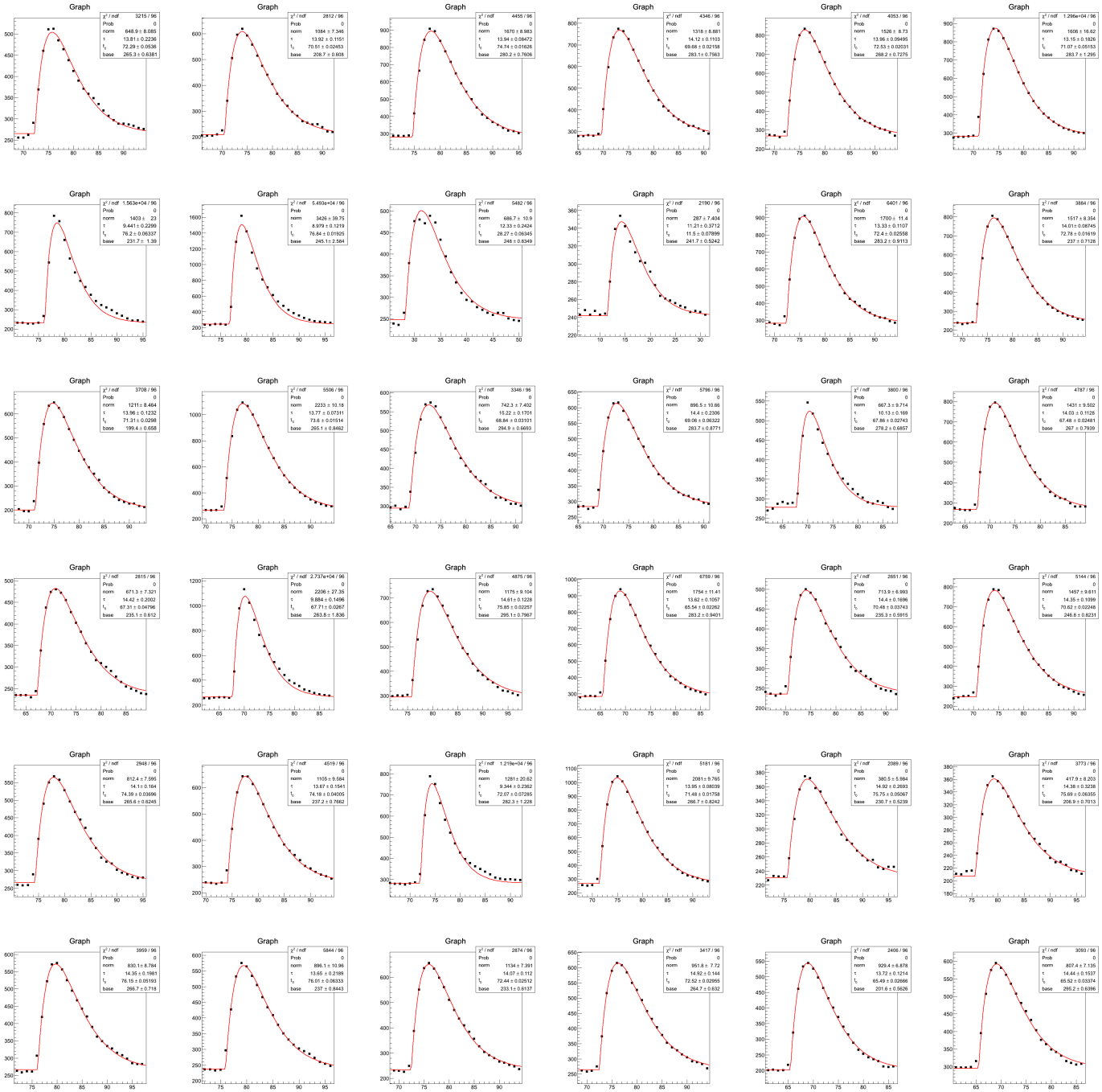

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Summary status

Raw mode readout functional
Short-term plan (this week) :
Test DAQ in pulse mode (= raw more in window above threshold)
Test DAQ in integrated mode
Include Tagger information in DAQ
Next :
Re-do calibration

Take out and open calorimeter