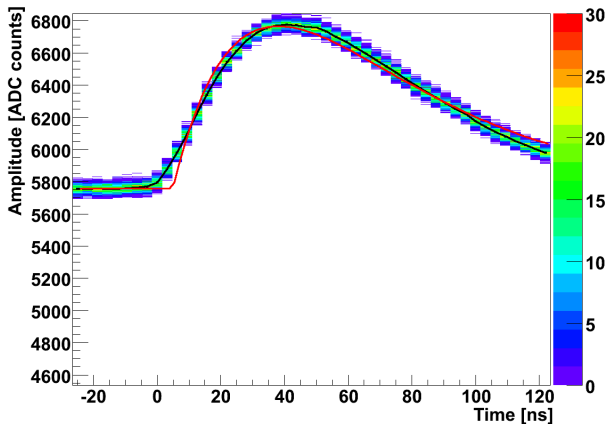# gimp

Sho Uemura

why?

- before we destroy the gimp, we should try the internal cal, maybe it'll tell us something new
- internal cal is also a good way to test for pinholes — in QA (see half-module 27, ch. 622: `http://confluence.slac.stanford.edu/display/hpsg/Half-module+27`):
  - low noise (below the value for unbonded channel)
  - no response to internal cal pulse

gimp

- run calibration at 0V, 180V, 220V bias
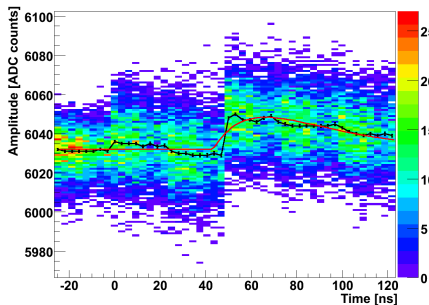- unbonded APV still looks totally normal

APV25 pulse shape, channel 600, positive pulses

more gimp

- looking at noise numbers, we see a bunch of channels with low noise, and they do seem to have no cal response (left)
- cal response looks screwed up on all channels, with low amplitude that fluctuates from event to event (right)

APV25 pulse shape, channel 493, positive pulses

APV25 pulse shape, channel 470, positive pulses