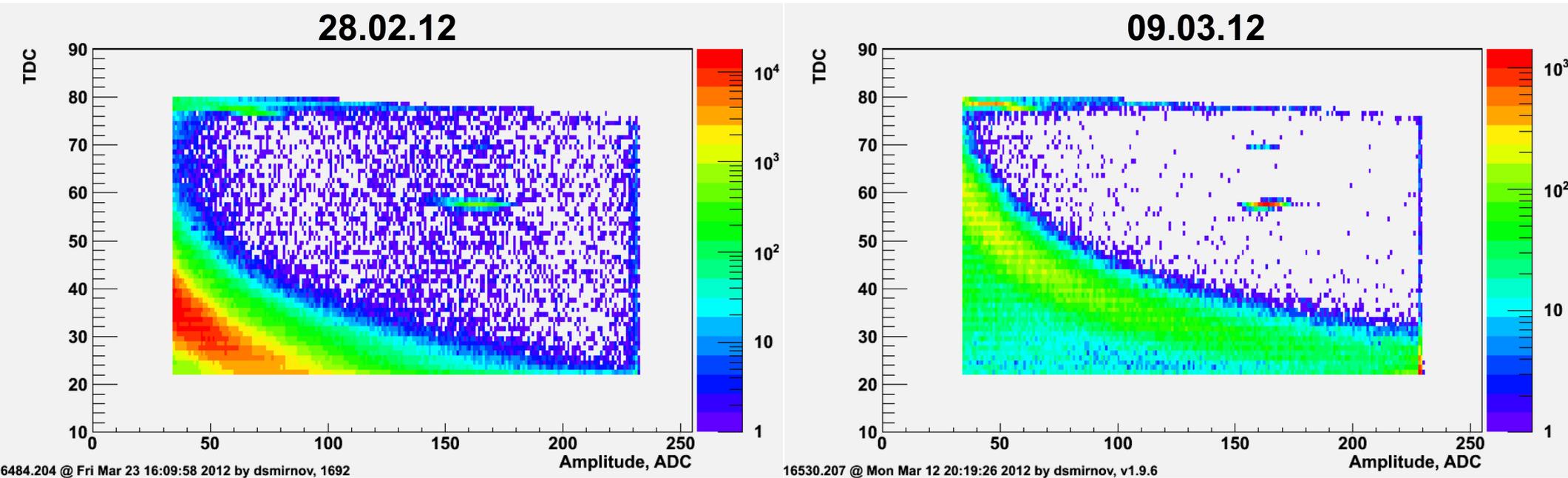


BNL 1 mm det.: gain jumps

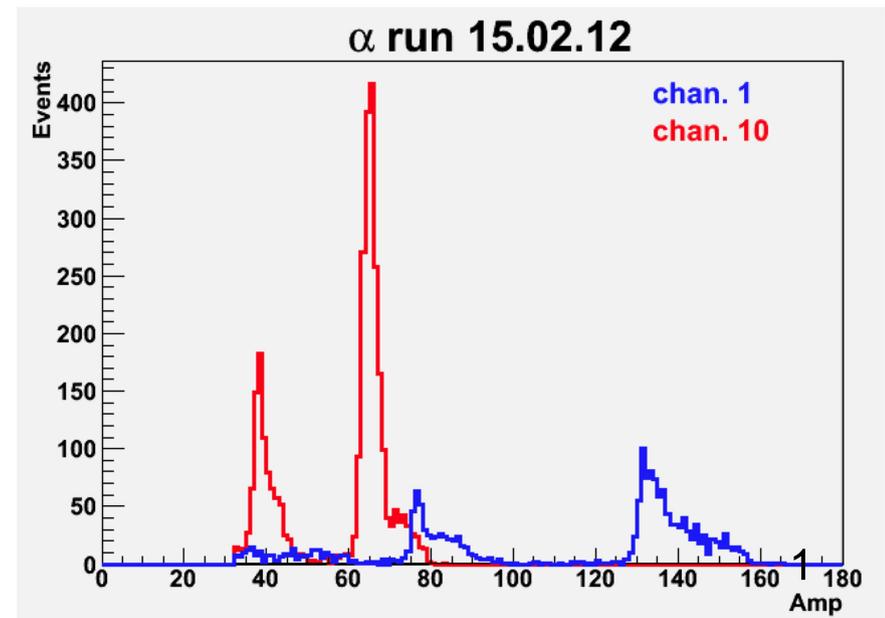
polar. mtg.
02.05.12

- BNL 1 mm detectors in B2D det. 1 (ch. 1-12) & det. 6 (ch. 61-72)
- Big shifts in banana for some chan., here e.g. chan 10:



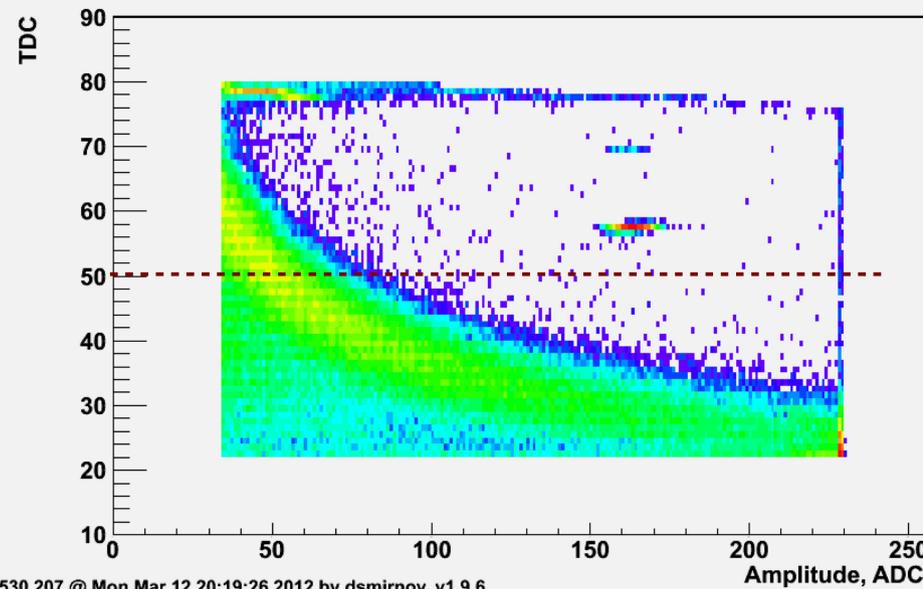
- Problem is gain shift, not time shift;
seen in low. Amp. α 's chan. 10:

- Pulser: no amplitude shift
 \Rightarrow **problem on detector**



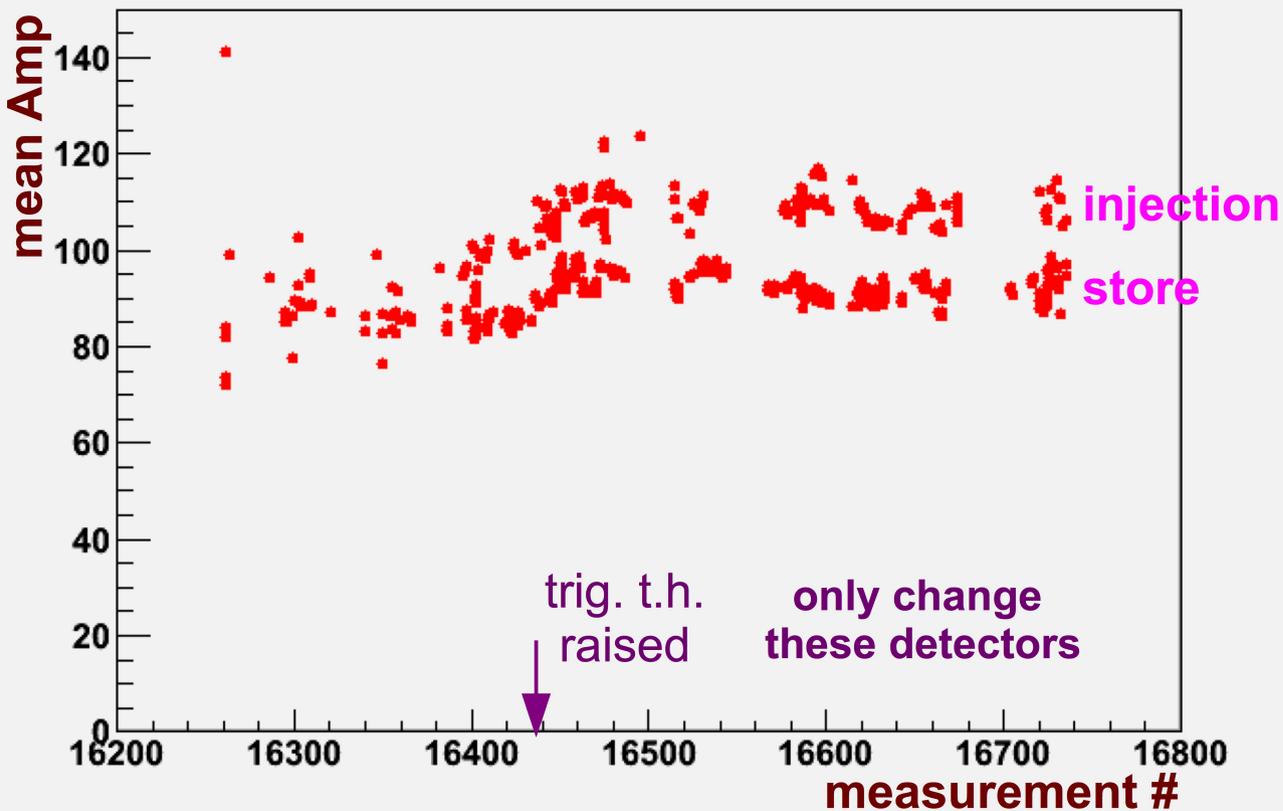
~Gain evolution

- Rough check of gain:
mean Amp for TDC<50:



16530.207 @ Mon Mar 12 20:19:26 2012 by dsmirnov, v1.9.6

- mean Amp vs. fill/measurement #,
here e.g. chan. 1:

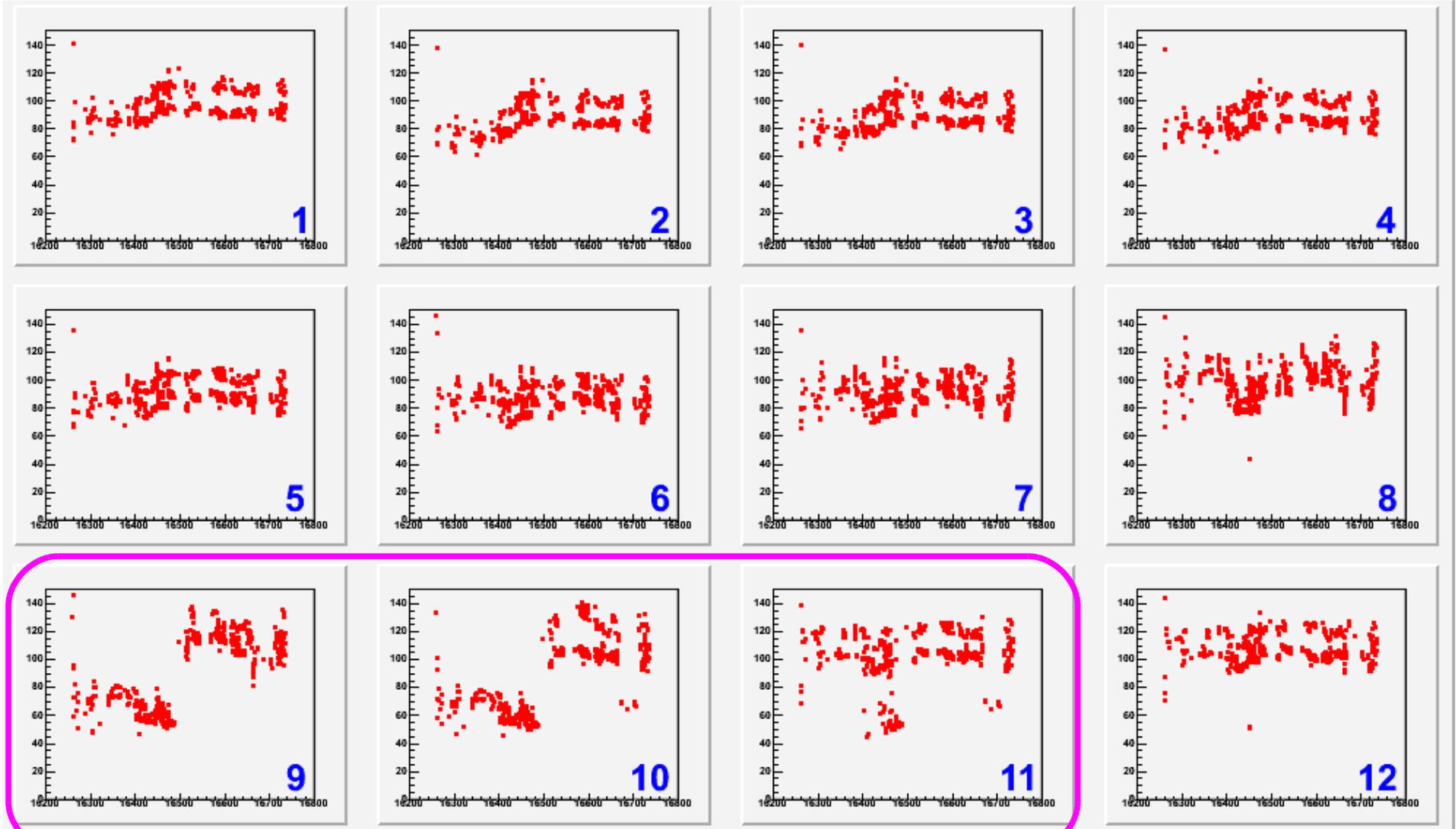


- injection/store different
due to RHIC timing shift

Detector 1

- Same problem channels already noted: chan. 9,10,11

mean Amp

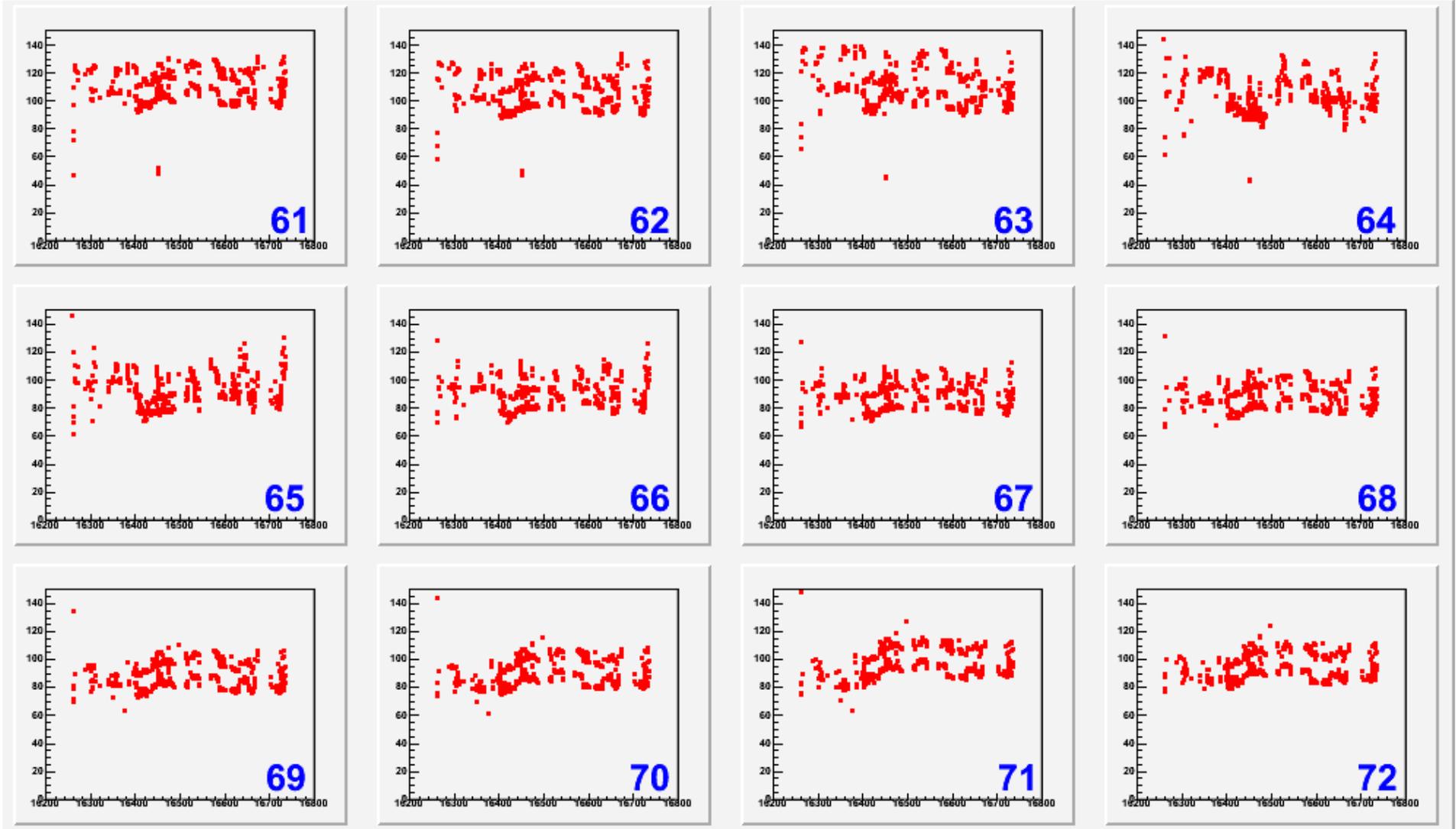


measurement #

Detector 6

- All chan. ~OK:

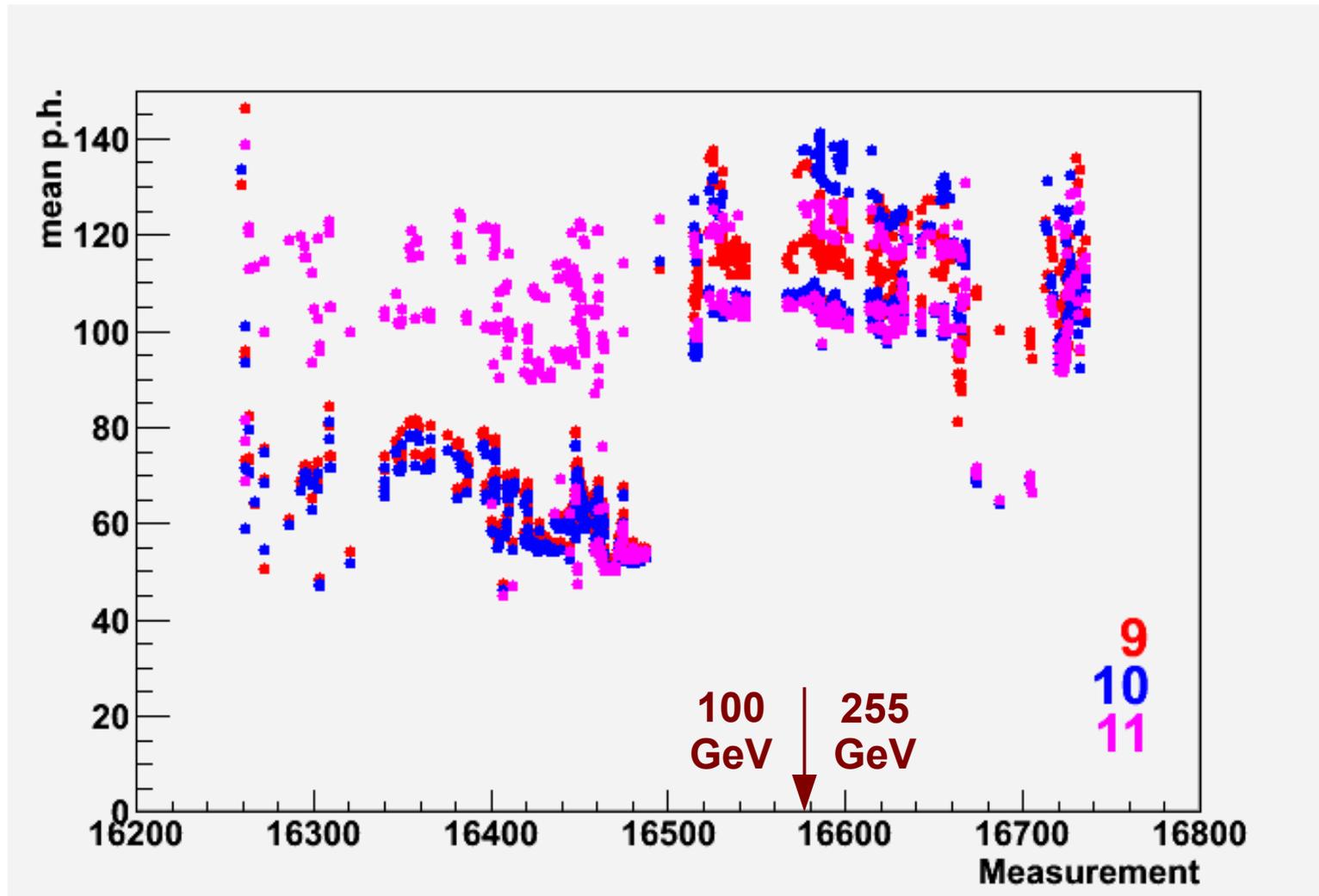
mean Amp



measurement #

Chan. 9,10,11

- 9&10 low gain early period; 11 fluctuating hi/low later
- 10&11 low gain briefly late period (gap when B2D few targets left)



- The stable periods between jumps can be handled
- The fluctuating periods (Chan. 11) problematic