

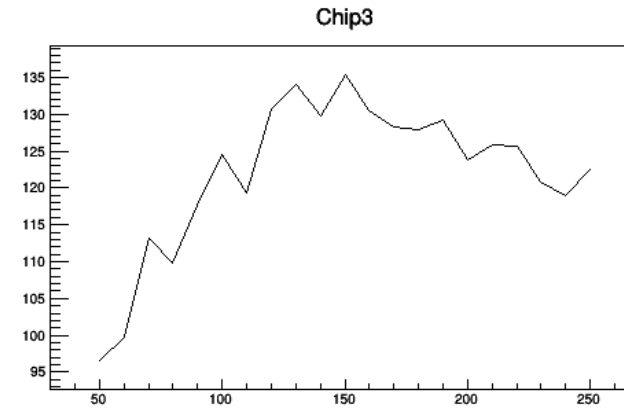
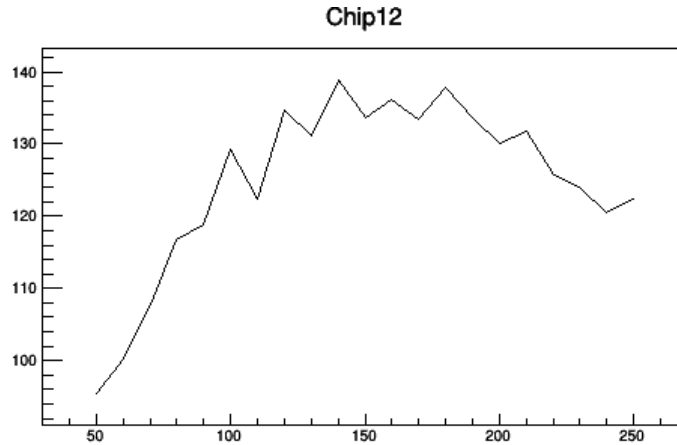
# Si-W ECAL Test Beam 2017 analysis

A. Irles, LAL

29<sup>th</sup> March 2018, Test Beam Analysis Meeting

- Si-Wafer → not clear information about them. Pieces of info:
  - Info about wafer production  
<https://agenda.linearcollider.org/event/7476/contributions/38690/attachments/31320/47094/170321-ecalmtg-suehara-silicon.pdf>
  - In 2011 we have had 4 batches of 4 wafers, with the same supplier reference (S10938-0668(X)) (Vincent)
  - Forge: all slabs are equipped with HPK11 (2011 wafers with 1GR)  
<https://forge.in2p3.fr/projects/calice/wiki/Si-WEcalSLABS> ??
  - Capacitance = 8pF, thickness = 320/25/30um ?

- Holdscan with cosmics → done (slabs 16 and **19**). Optimal value slightly larger than 130.



- Scurves with cosmics → ongoing

- I made a mistake in the estimation of the DAC interval and statistics.
- Compatible results with Taikan's

- Operation of single slabs + manual → any feedback from kyushu/LLR ?

- Pedestal shifts. (A. Irles)
  - Checked that the channels/sca without statistics to recalculate the pedestal were not included in the “zig-zag” plots.
  - No other major updates since last meeting
- Pedestal shifts with pulse injection in single slabs? (A. Lobanov)