Analysis plans for ECC FEC tests

- ## Planned analyzes

  - X-talk – clarify the mapping, compare the pattern and level with "standard" tests on this quadrant – started

    - problem found – gen. 121 is on in all selected patterns

    - otherwise mapping seems O.K., with only few problems – swaps of gen.<->FEB ch. mapping (e.g. FEB 1 ch. 128 should be on g. 53, 54 and is on 117,118)

  - Bad channels (from TDR or standard meas.) check

  - Shape and noise comparison (how big is difference between shapes in old an new electronics ?)

  - Shape comparison between gains

  - Peaking times for the full quadrant (Evgenij asked)

- ## Anything else ?

  - Fitting with our "standard" model ?

Analysis plans for ECC FEC tests

Noise comparison ??? (FEC histo scaled to the "full wheel")

All channels noise - FEC

Measurement
— Standard (old)
— FEC

ADC [counts]