

XTalkAndChargeInjection

Analysis of Charge Injection runs

- run 700002720 : Calib Gain LE, Layer 3, Column wise [CalCI_3march2007_JB.pdf](#)

Charge Injection runs dedicated to Xtalk analysis

All the CI runs are column wise (one column at a time) and the DAC settings were the following :

- 50 samples per DAC
- CI Intervals : 0-65x2, 80-513x16, 543-4096x32
 - 33 points from 0 to 64 with step 2,
 - 28 points from 80 to 512 with step 16
 - 112 points from 543 to 4095 with step 32

CAL CPT_Beamtest - February 20th, 2007

TE M	First	Last
1	70000264 8	70000265 9
2	70000266 0	70000267 1
3	70000267 2	70000268 3

Sasha's Charge Injection Configurations

Nb .	Calib Enable	LE Gain	HE gain	run
1	LE	5	15	700002700
2	HE	5	15	700002701
3	Both	5	15	700002684
4	LE	5	8	700002702
5	HE	5	8	700002703
6	Both	5	8	700002685
7	LE	5	0	700002704
8	HE	5	0	700002705
9	Both	5	0	700002686

Xtalk dependance on HE Gain ?

Calib Enable = LE, LE gain = 5

run	HEGai n
70000271 0	14
70000271 1	13
70000271 2	12
70000271 3	11
70000271 4	10
70000271 5	9

Single cristal Charge Injection : Loop on FE

Calib Enable = LE, LE gain = 5, HE gain = 15

run	C C	R C	i.e. Layer
700002708	0	3	6
700002709	0	2	4
700002717	0	0	0
700002718	0	1	2
700002719	1	0	1
700002720	1	1	3
700002721	1	2	5
700002722	1	3	7