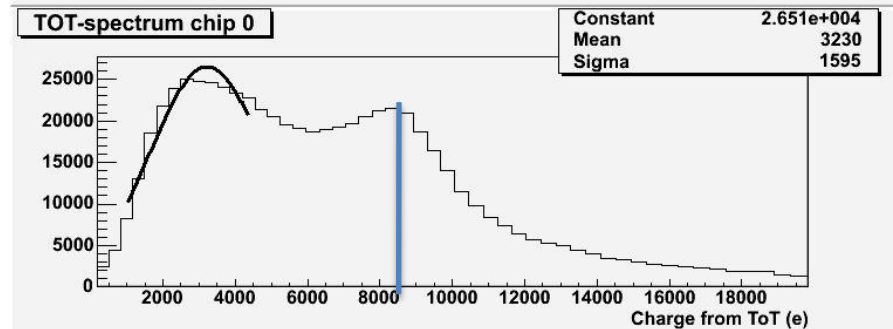
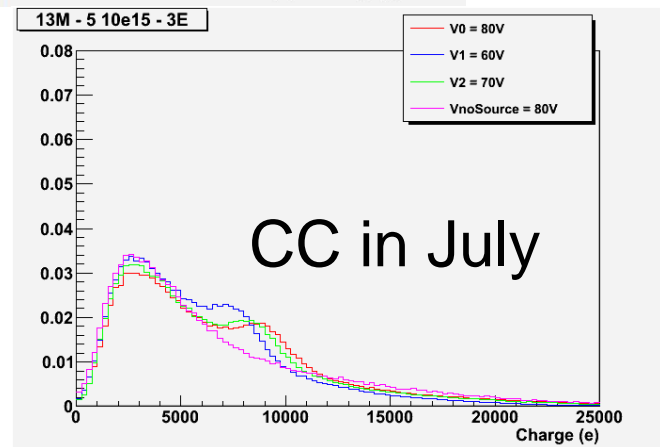
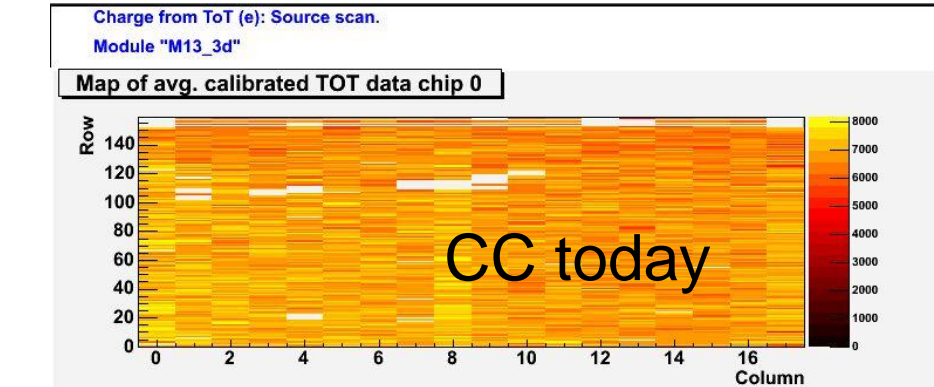
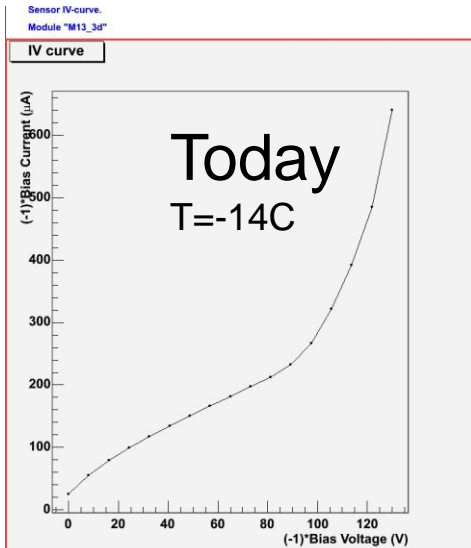


ID on Wafer	ID FE-I3	Sensor Type	V_bd	Irrad.	Working?	Comments
3	06051	2E	60	3 10e15	<i>Dead¹</i>	Dead on 25/06/10 during Threshold scan vs HV
17	09051	2E	-	0	☺	
18	05051	2E	50	1 10e15	☺	
7	07051	3E	65	1 10e15	<i>Dead</i>	Dead after Test Beam
9	07052	3E	60	3 10e15	<i>Dead</i>	Dead on 22/06/10 during Calibrations scan
13	08052	3E	60	5 10e15	☺	
12	08051	4E	25	1 10e15	☺	
14	09052	4E	60	3 10e15	☺	
16	05052	4E	65	5 10e15	<i>Dead</i>	Dead after irradiation

- ✓ Single chip tuned to have:
 - Threshold ~ 3200 e⁻, ~60 TOT @ Q=20ke⁻
- ✓ 7, 14 sensors tested in the test beam (June)
- ✓ 13,14 sensors prepared for Sep Test
- ✓ ¹Dead sensor: the FE-I3 does not work properly

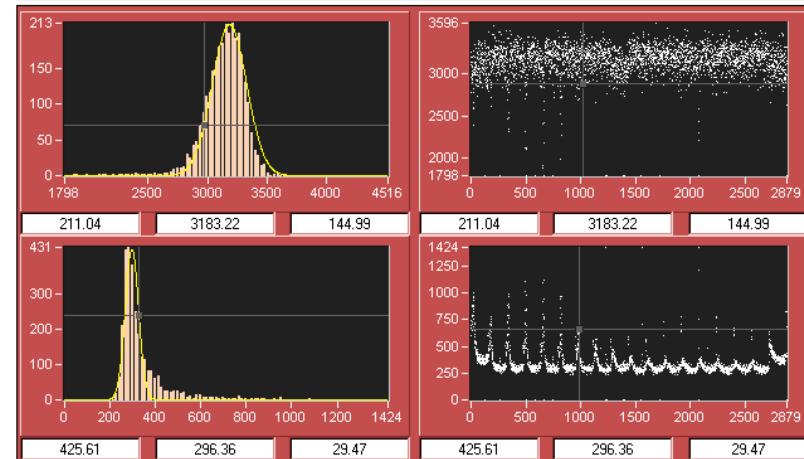
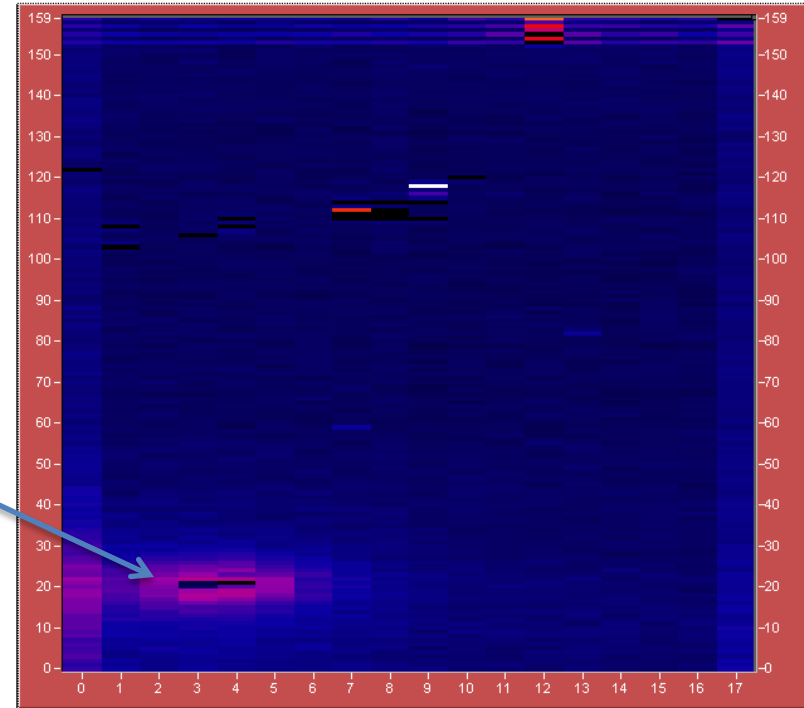
- ✓ Tuned in July. Today just checked out (see root file for configuration files)
 - ✓ Configuration for the source in self-triggering mode need to have the mask applied also to the preamplifiers. If not extremely noisy. Should not be an issue in the TB setup but to let you know.

- ✓ $V_{bd} \sim 100$ V but suggested working point is **80V**. If voltage is higher -> 'spot of noise', see next slide.
- ✓ Am peak at **$\sim 8.5ke$** (instead of 14ke)

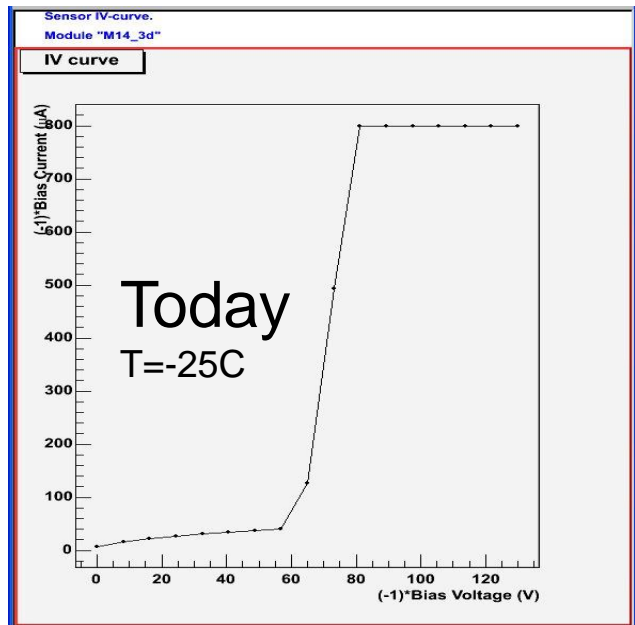


M13_TB_Sep2010

- ✓ Noise map at 90 V.
- ✓ Spot of current/noise in the bottom part.
(The top central damage is there at any bias voltage)



✓ Tuned in July. Today just checked out (see root file for configuration files)



- ✓ Vbd ~60-> Suggested working point is **60V**
- ✓ Am peak at **~11ke** (instead of 14ke)

