Subject: Re: FRS - TPC Calibrations
Posted by thuyuk on Wed, 03 Jun 2015 13:05:58 GMT
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Hi Liliana,

thanks for the information and the processor that you use. the manual of TPC is a different story and it tells nothing more than what you wrote here: 2 outputs of x and 4 outputs of y Thank you anyway!

I just noticed that inside the source, there are the outputs xc and yc which are calibrated x and y outputs. I included them in the config file.

I think I should tell you more at this point for the sake of less complicity of the things:

1. The fiber mask signals are not processed in the prespec code, while they are visible in the previous "new_prespec_Go4" code.
2. The x:y of TPCs and the fiber mask plots are good and almost have fine calibration at new_prespec_Go4.
3. When I replay the experimental data, the calibration get lost at new_prespec_Go4.
4. I cannot do the calibration with the prespec code since I cannot see fiber mask signals when I replay the calibration data with mask.
5. The very same calibration coefficients which work in the new_prespec_Go4 code also work with the horizontal calibration but not for the vertical in the prespec code.

Now if we check out the plots under above circumstances:

TPC 4.2 at new_prespec_Go4:

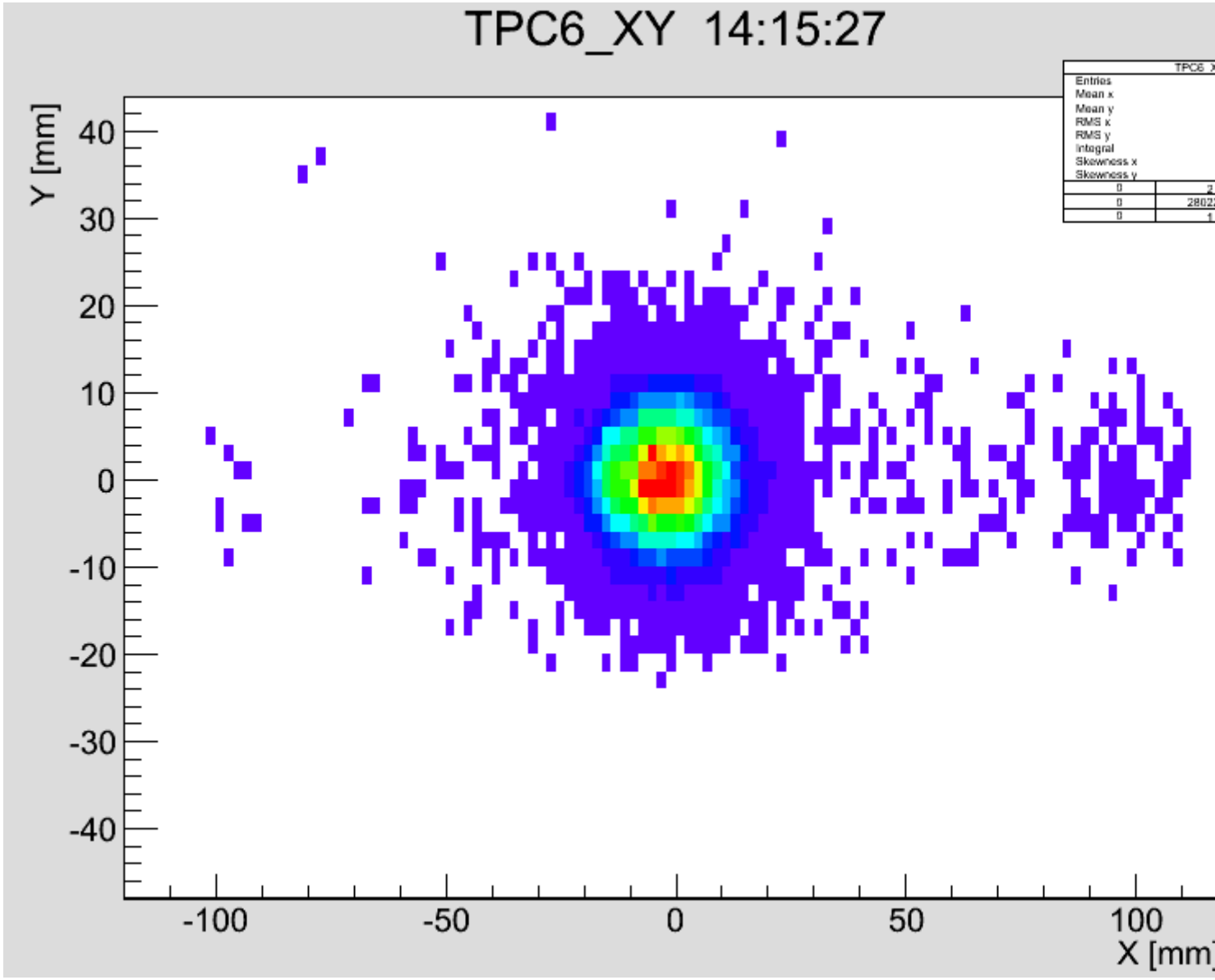
x:y and xc:yc at prespec (top: TPC 4.1; bottom: TPC 4.2):

Fiber Mask at new_prespec_Go4:

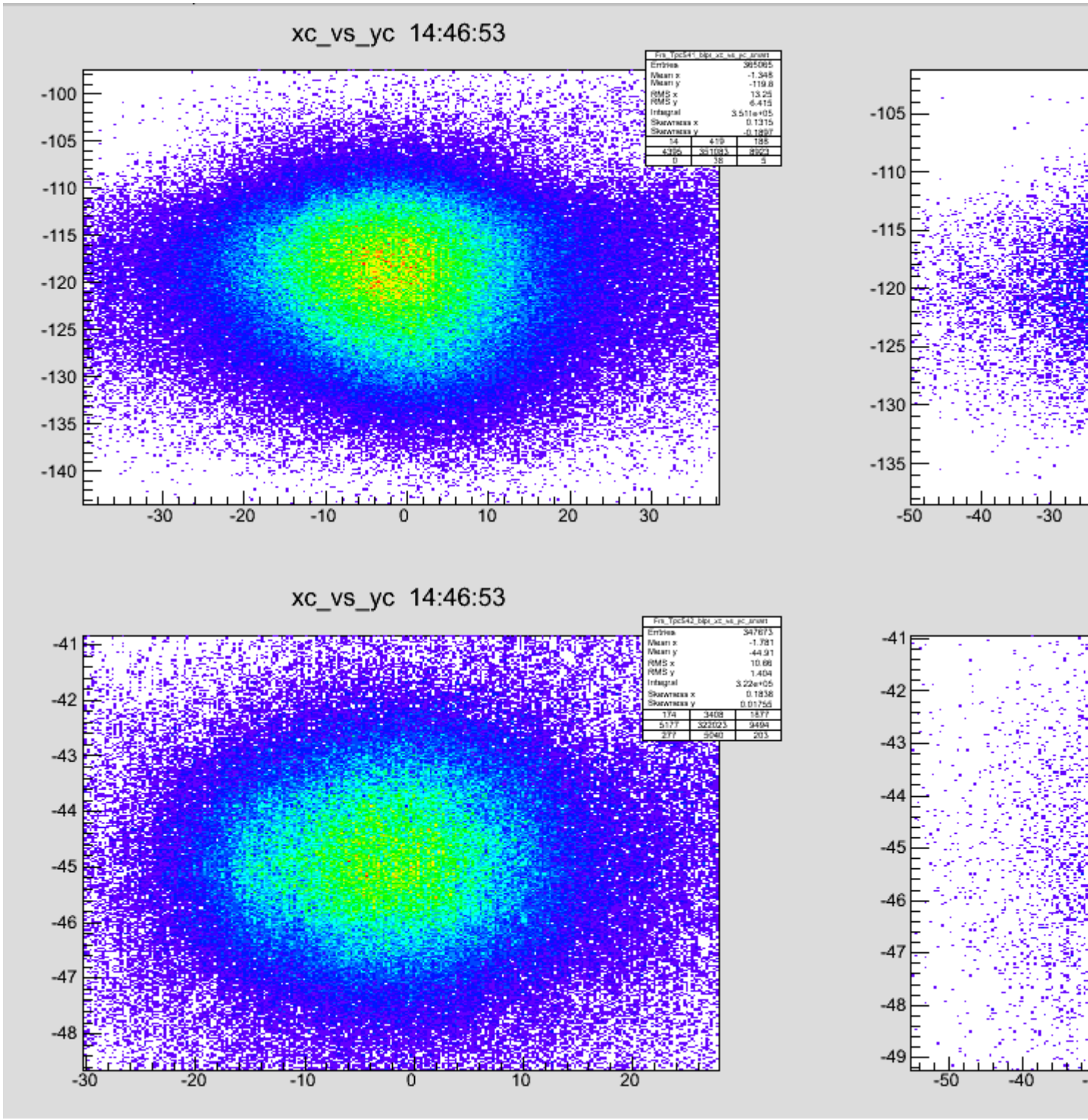
Thanks!
Tayfun

File Attachments

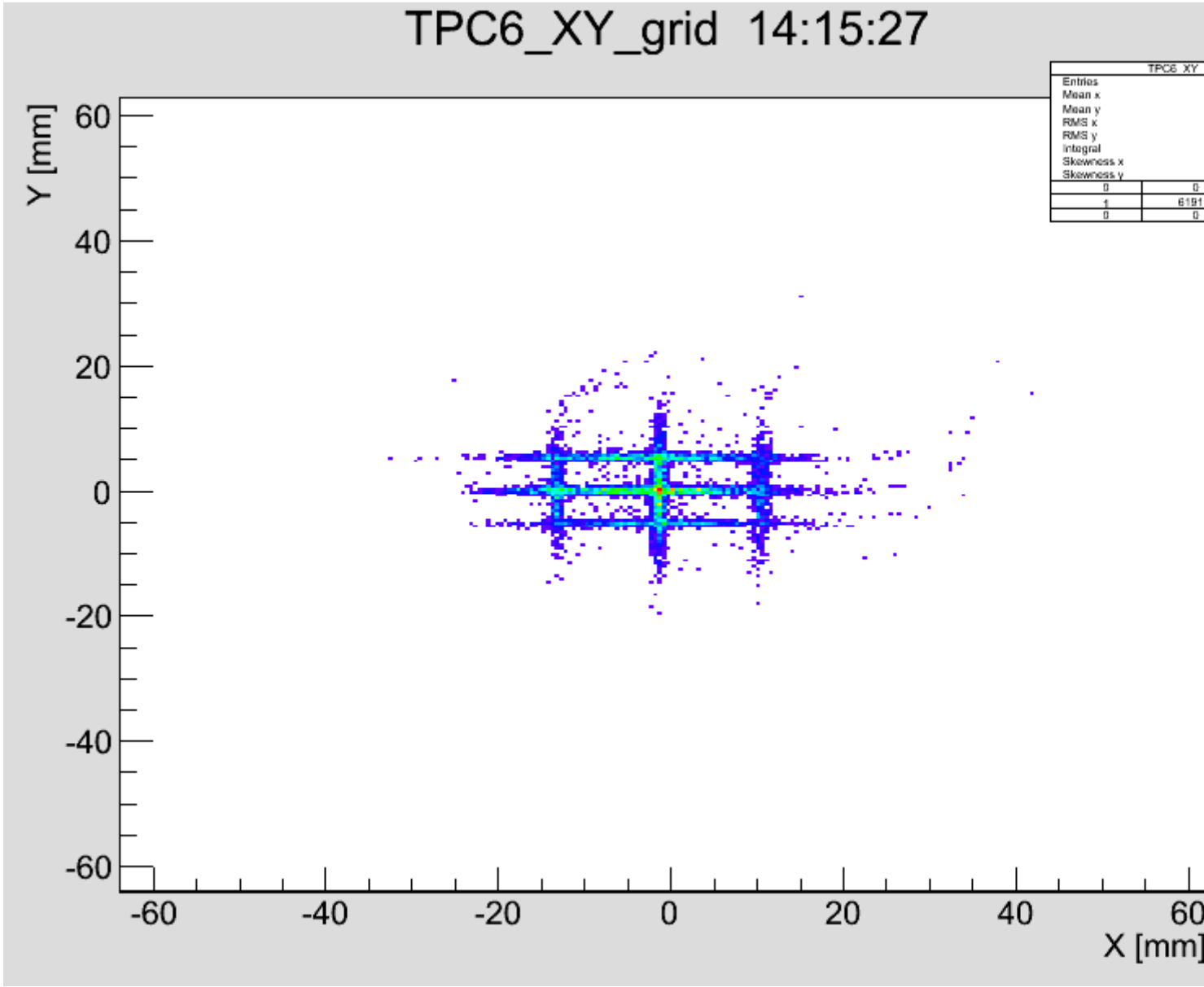
1) Screenshot from 2015-06-03 14:59:17.png, downloaded 1033 times



2) Screenshot from 2015-06-03 14:48:13.png, downloaded 1104 times



3) Screenshot from 2015-06-03 14:41:02.png, downloaded 977 times


TPC6_XY_grid 14:15:27
TPC6_XY
Entries
Mean x
Mean y
RMS x
RMS y
Integral
Skewness x
Skewness y
0
0
1
6191
0
0
Y [mm]
60
40
20
0
-20
-40
-60
-60
-40
-20
0
20
40
60
X [mm]