Subject: Re: FRS - TPC Calibrations
Posted by mlcortes on Sat, 06 Jun 2015 10:09:38 GMT
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Hi Tayfun,

Sorry for the delay in replying, it has been a busy week.

First, just as you said, I didn't manage to run the file you are using with prespec code. I do not understand why it runs in the new_prespec_Go4 code, but for the calibration I used file 132. For that file, ones sees a kind of double grid in y direction. I think this was related to some problem in the delays used for y, but I am not sure. This was the main problem we had to fix. As this files are the same used for the calibration of the Pb experiment, I think you can give it a try to our calibration parameters
I want to point out that the calibration was made by Pico, by calibrating individually each y with the grid and after fixing them, calibrating x. Apart from that, he included a y offset to align the TPCs with the TargetDSSD.
So I would suggest that you put this parameters and give it a try.... Hopefully you will see y calibrated. Let me know how it goes

For TPC41:

```
##  Original calibration X (-5.45941 offset -left)
##
cal_x[0]                    6.9059240       0.071844
cal_x[1]                     2.565379       0.073667

##
## for S429 file 7 TPC projected at TARGET DSSSD were Y-centered at +25.6522
##
## Target DSSSD was Y-centered at -1.51222 so the offset was set to match
##
cal_y[0]              30.523964       -0.036214
cal_y[1]              30.971966       -0.036226
cal_y[2]              32.407504       -0.036935
cal_y[3]              32.488682       -0.036932
```

For TPC 42

```
##  Original calibration (+1.3447 offset -right)
##
cal_x[0]            -1.708523    0.073670
cal_x[1]            0.423916    0.074975

##
## for S429 file 7 TPC projected at TARGET DSSSD were Y-centered at +25.6522
##
## Target DSSSD was Y-centered at -1.51222 so the offset was set to match
##
cal_y[0]            22.986629    -0.038519
cal_y[1]            22.733846    -0.038766
```

cal_y[2] 21.329802 -0.038116
cal_y[3] 20.819015 -0.037600