

BPM status

Pengjia Zhu

Finalized:

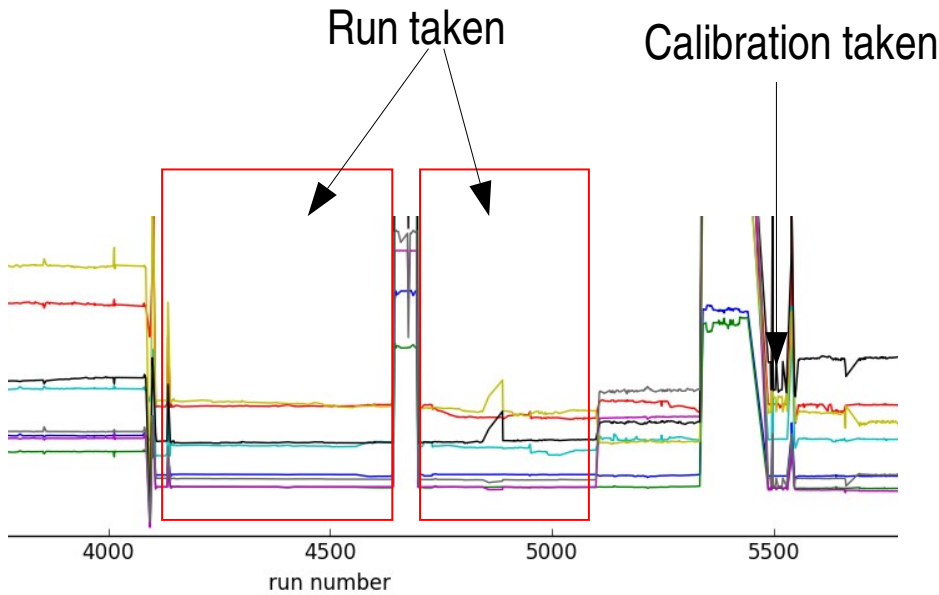
4.11~5.18

3 bpm gain settings

1.7GeV 2.5T, 1.1GeV 2.5T, 2.2GeV 5T, 3.3GeV 5T

BPM Setting 4.11~4.25

harp scan in 5/3 (straight through, calibrate both BPM A and BPM B)
 harp scan in 4/11 (with field setting, use BPM A and harp to calibrate BPM B)



For each run use the pedestal for closest value

(pedestal change 1000 will affect calculated position about 0.25mm)

Pedestal difference between production and calibration run

0503 calibration	12952.319	10307.621	28551.01	20952.291	10566.053	29978.754	32015.141	10785.678
production	13195.239	10557.746	28147.99	17415.789	10606.517	29418.012	20492.982	12469.639

From left to right, BPM A x+,x-,y+,y-; BPM B x+,x-,y+,y-

Compare with 0503 harp scan calibration result & 0411 harp scan calibration result(BPM B) :
Choosing a production run for comparison

Using 0503 calibration: x: -1.6mm, y:-2.1mm (uncertainty>0.3mm,without pedestal part)

Using 0411 calibration: x: -2.2mm, y:-1.9mm (uncertainty>0.6mm,without pedestal part)

Others will show next time and technote
For the run before 04/11, will try to finalize soon