Subject: Psi study of TPC vs STT from july11 release
Posted by donghee on Thu, 21 Jul 2011 08:06:34 GMT

Dear all,

I have already posted study of psi3770 data, which is produced at Gridka, only tpc mode has been tested and other data are still being produced with stt mode.

Now, I am testing stt mode, first of all, in the level of reconstructed tracks.
I took all scripts and macros from gridka site and pandaroot version is used july11. So, this stt production is same like gridka production and produced to see the difference with tpc mode.

TPC 84500 events.
STT 88000 events.

Please find the plots for the tracks from tpc and stt, identified with pid correlator.
What I want to say is
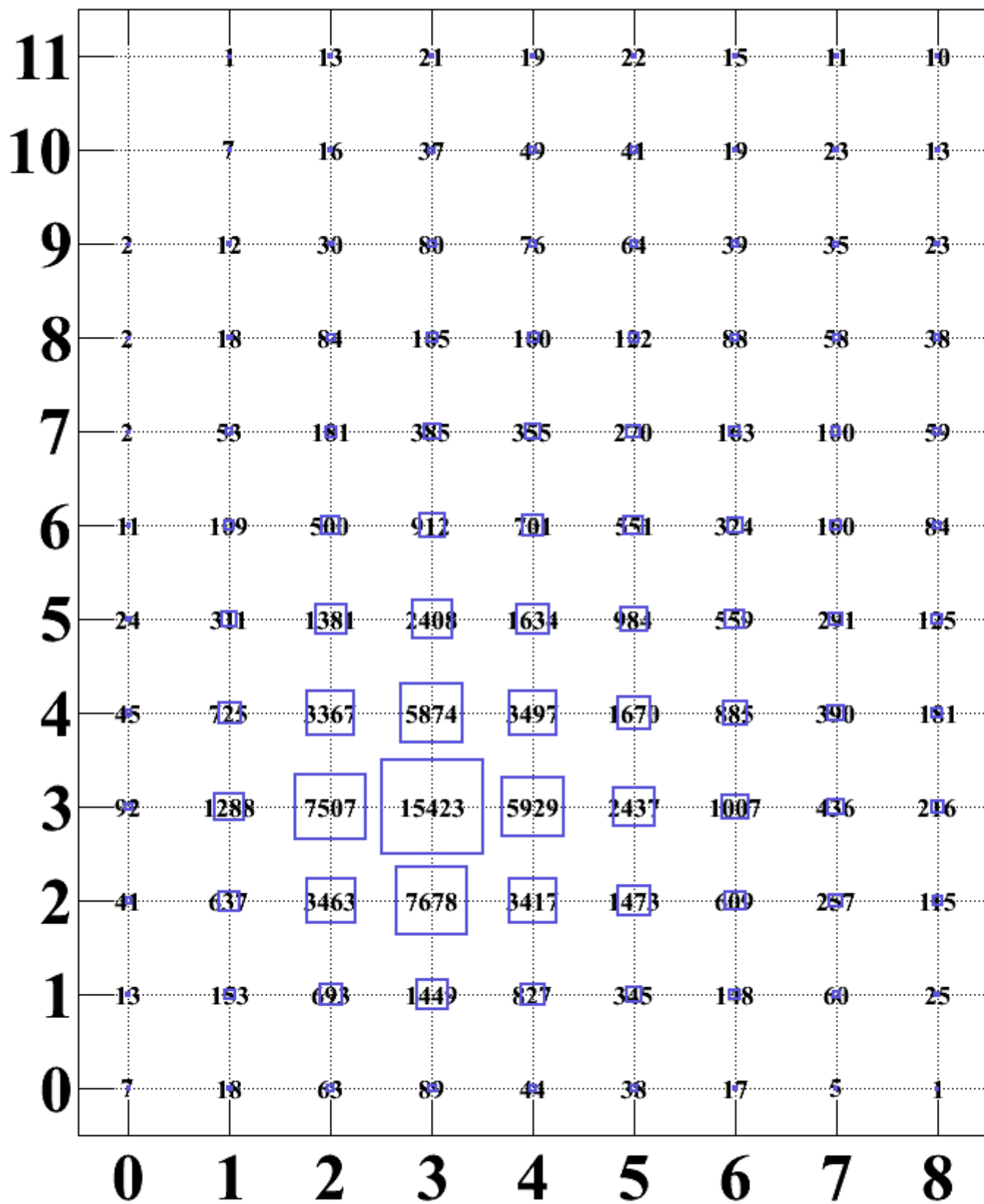"Reconstructed track numbers are significantly different"

Best wishes,
Donghee

File Attachments
1) tracks_stt.gif, downloaded 683 times

of - tracks

# of - tracks \ # of -	0	1	2	3	4	5	6	7	8
11		1	13	21	19	22	15	11	10
10		7	16	37	49	41	19	23	13
9	2	12	30	89	76	64	39	35	23
8	2	18	84	195	190	122	88	58	38
7	2	53	181	385	355	270	163	100	59
6	11	109	500	912	701	551	324	160	84
5	24	311	1381	2408	1634	984	559	291	195
4	45	725	3367	5874	3497	1670	885	390	181
3	92	1288	7507	15423	5929	2437	1007	436	206
2	41	637	3463	7678	3417	1473	609	257	115
1	13	153	693	1449	827	345	148	60	25
0	7	18	63	89	44	38	17	5	1

of -

2) tracks_tpc.gif, downloaded 688 times

of - tracks

	0	1	2	3	4	5	6	7	8
11									
10			1	1					
9		1							
8		5	5				1	1	1
7	4	13	11	15	1		1		
6	22	66	55	54	18	7	1	3	
5	195	413	456	224	97	39	15	3	1
4	474	1880	2173	1258	423	188	49	11	4
3	916	5063	7245	4386	1559	403	124	39	12
2	1011	6602	11475	7902	3002	806	225	89	23
1	393	3052	7279	6402	2706	786	208	44	19
0	54	520	1554	1513	660	222	66	14	2

of +
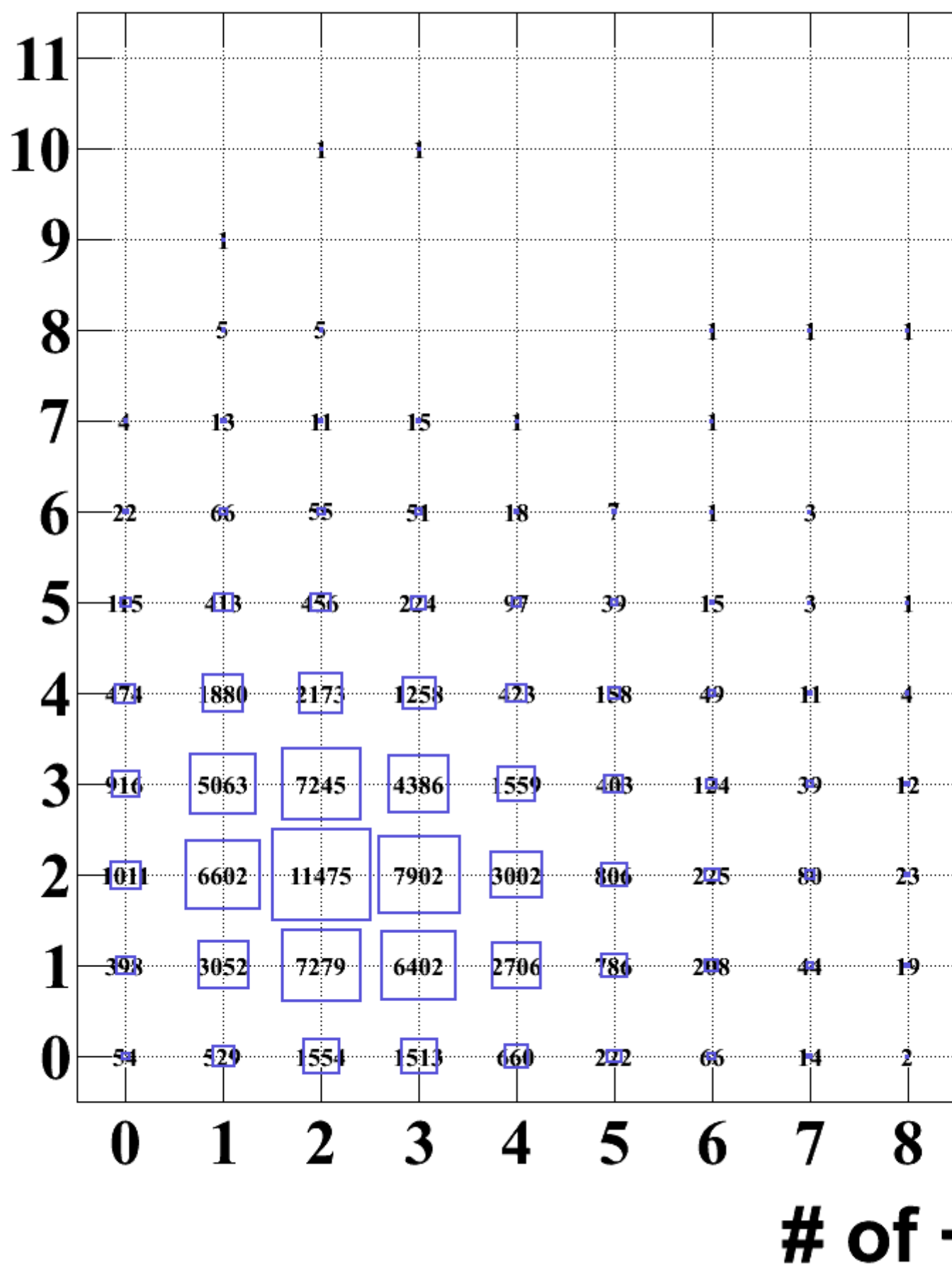
Subject: Re: Psi study of TPC vs STT from july11 release
Posted by donghee on Mon, 25 Jul 2011 09:56:29 GMT
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Dear analyzer,

have you made some test for grid data for both tpc and stt mode.
Are there no problem at all? or one has to care something during analysis? For instance, index handling is apparently differ for both mode, therefore need special approach for that or more something else.

Please let me know what the next plan is?

Best wishes,
Donghee