Misalignment studies

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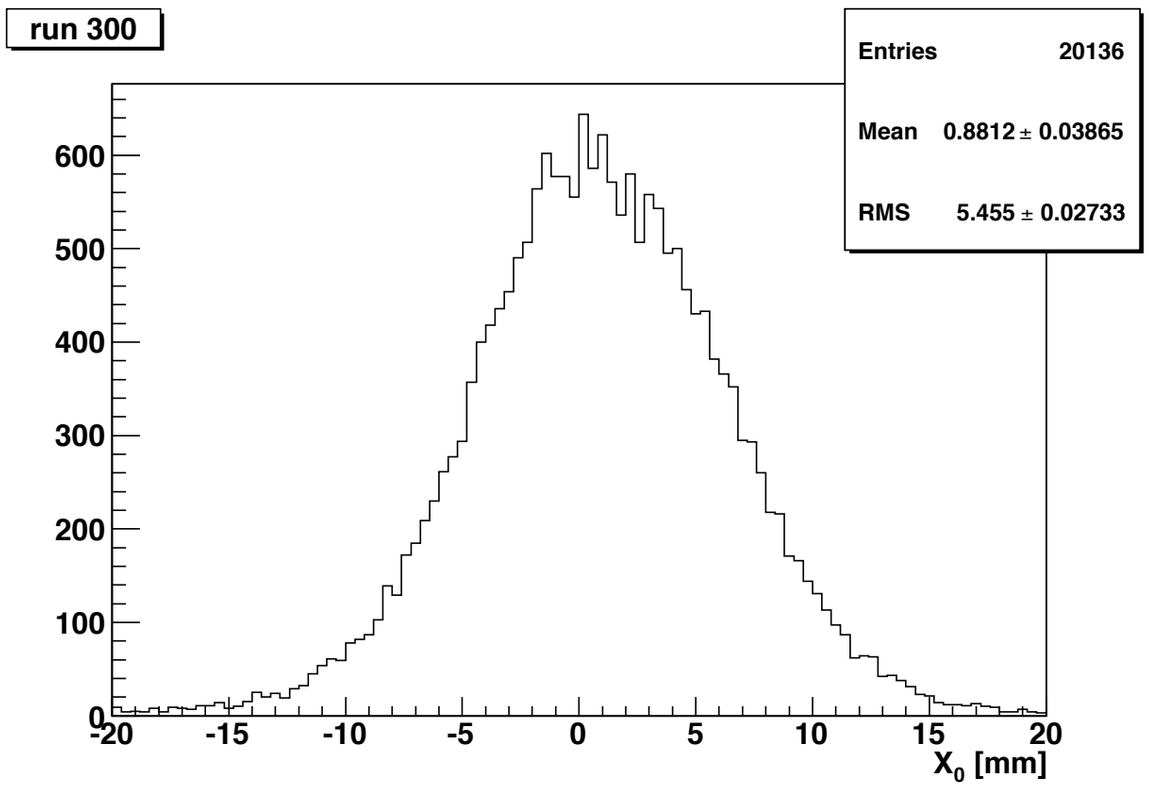
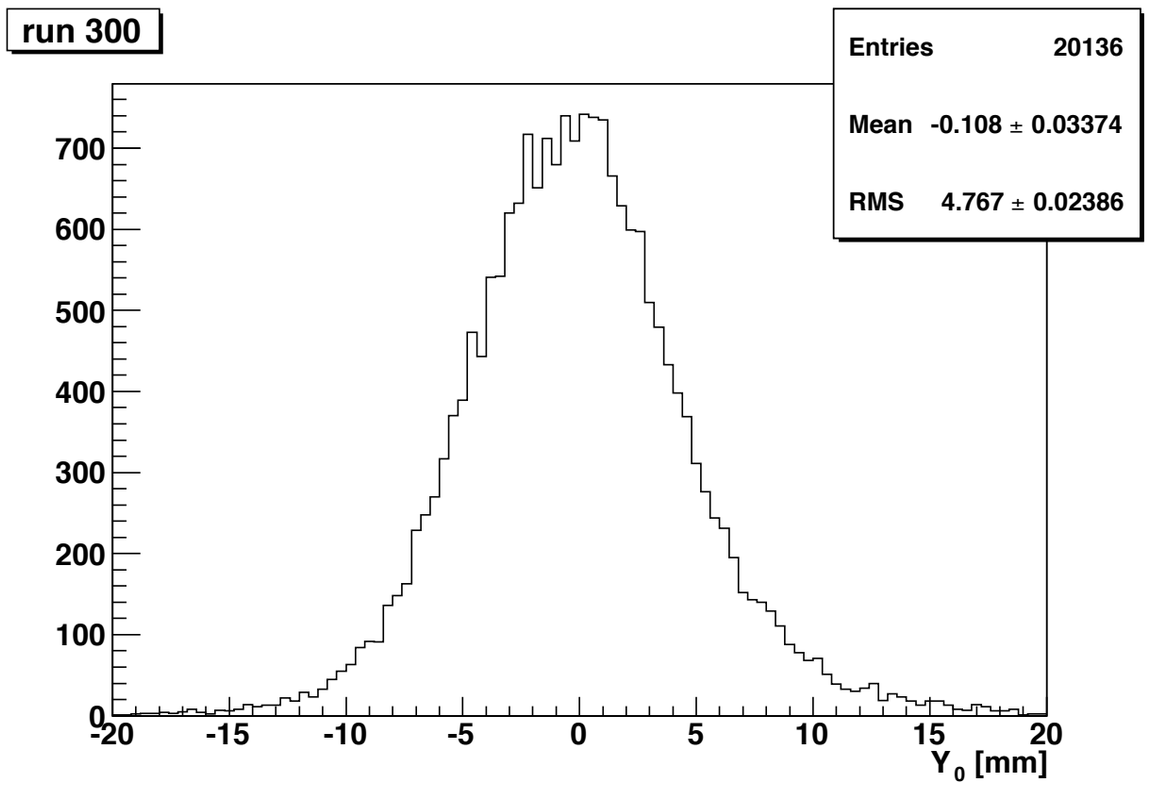
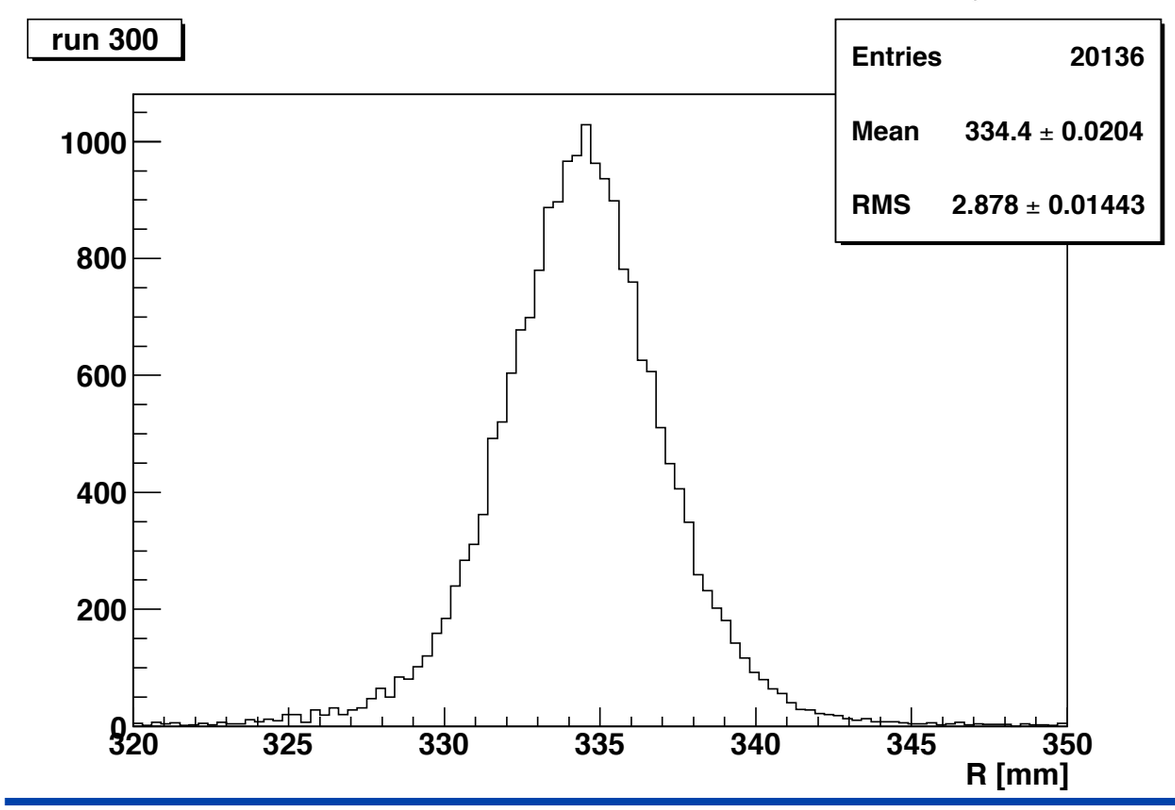
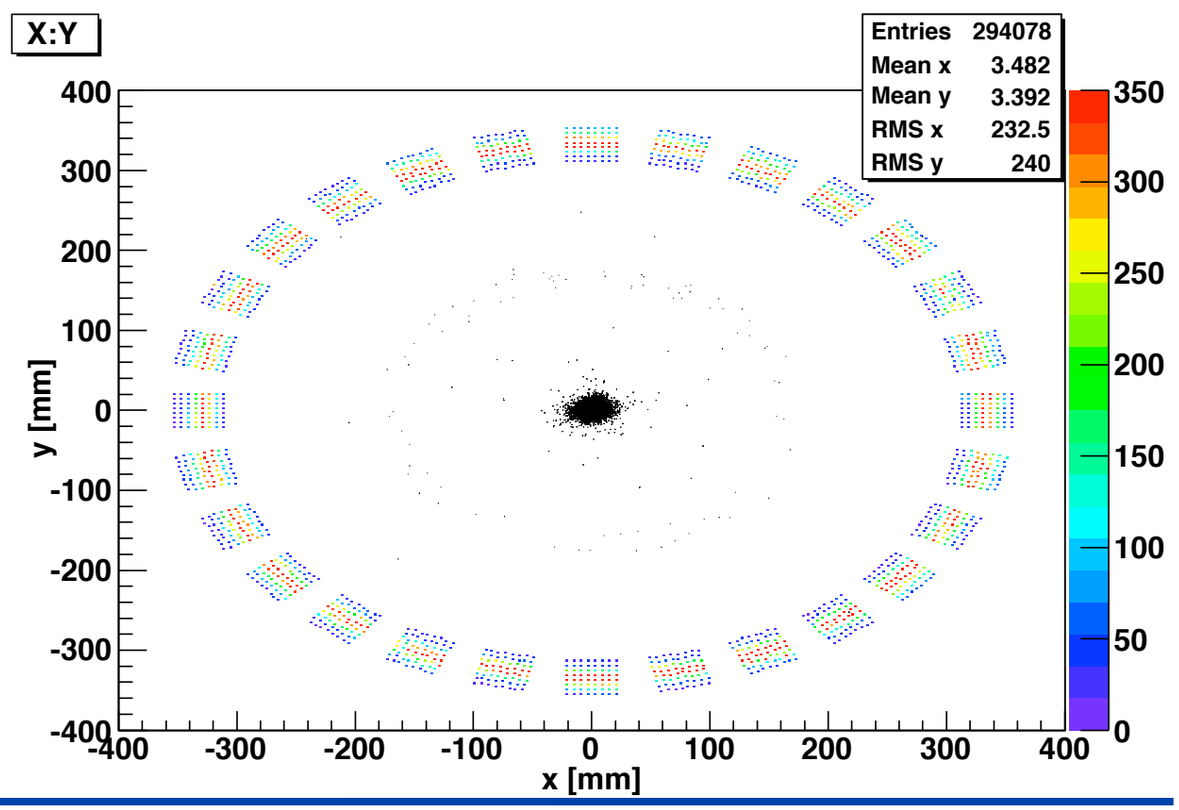
Fit to raw data





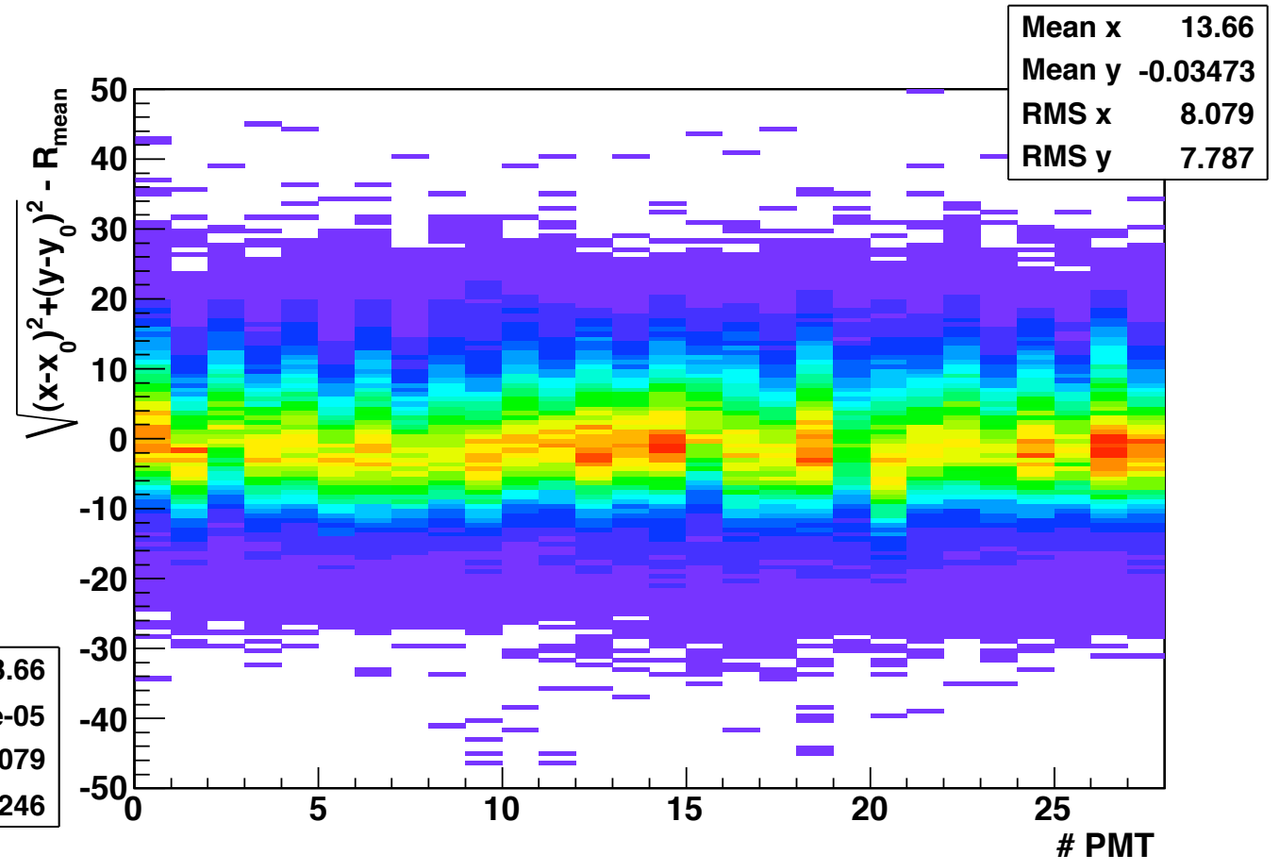


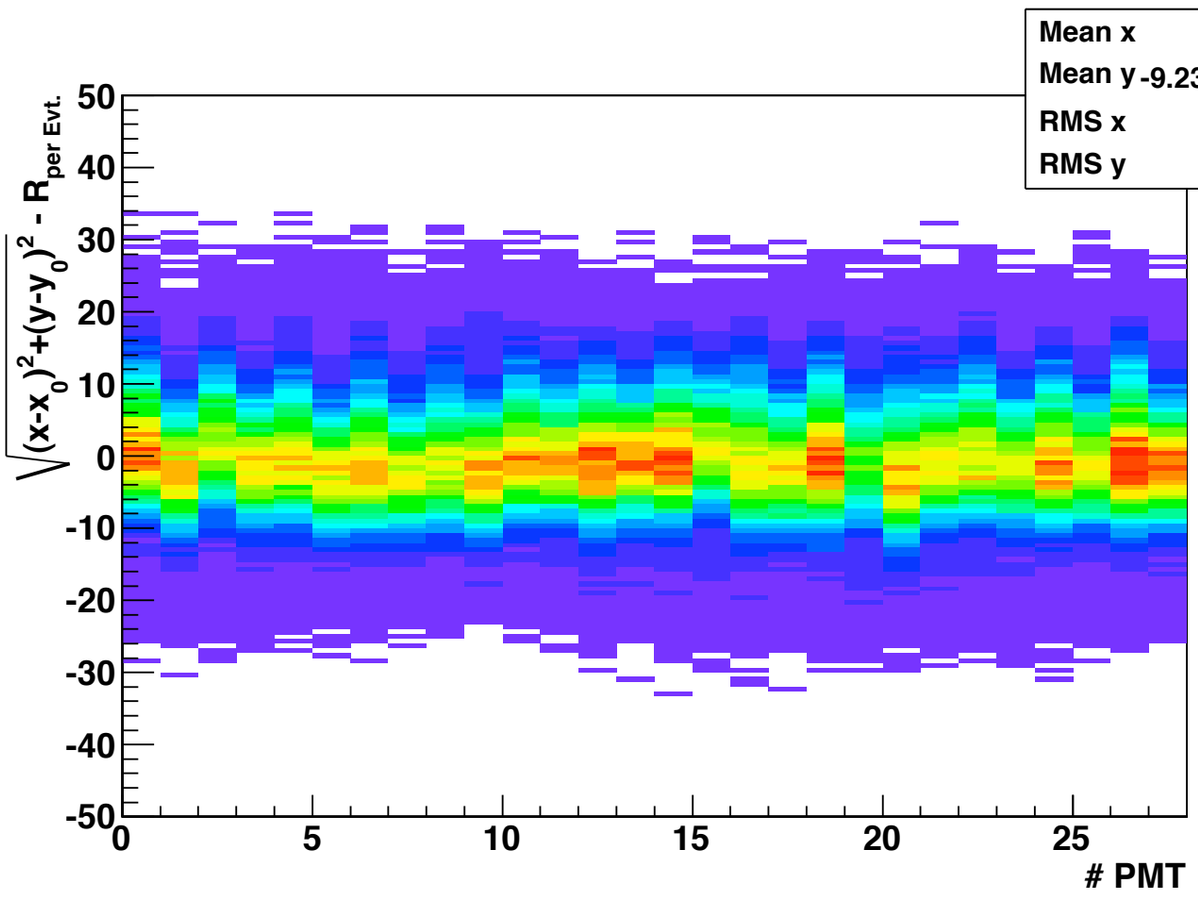


Offset vs PMT: comparison of two options

$$\sqrt{(x-x_0)^2+(x-x_0)^2}-R$$

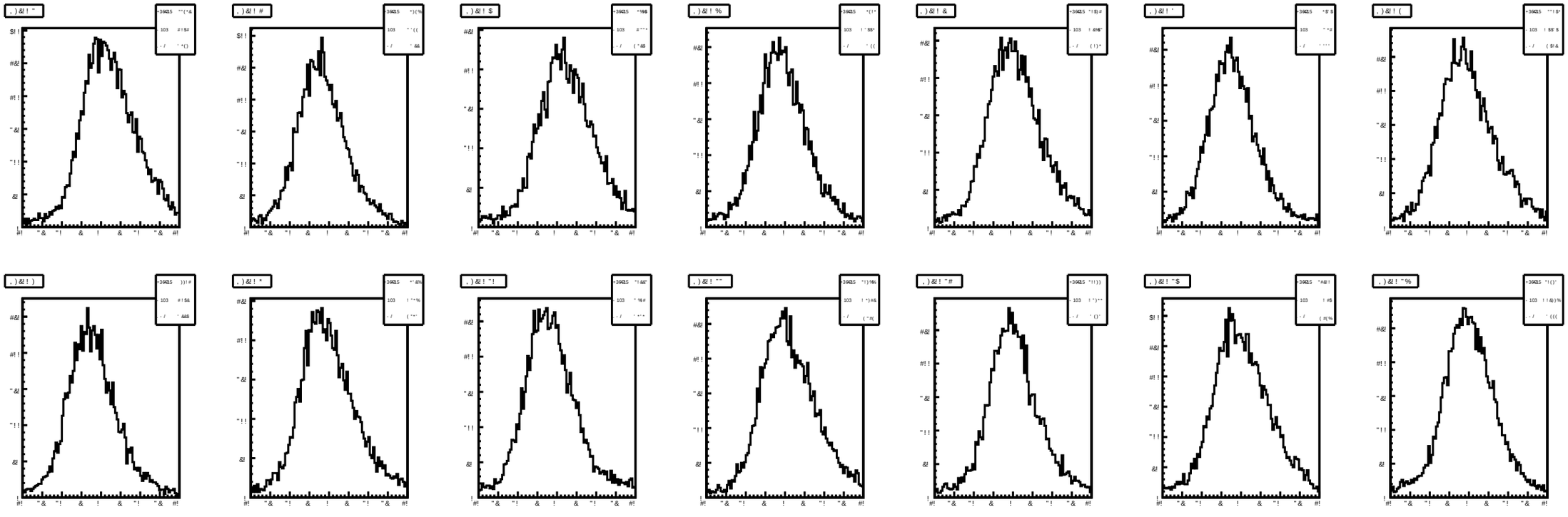
R - the mean radius from all events

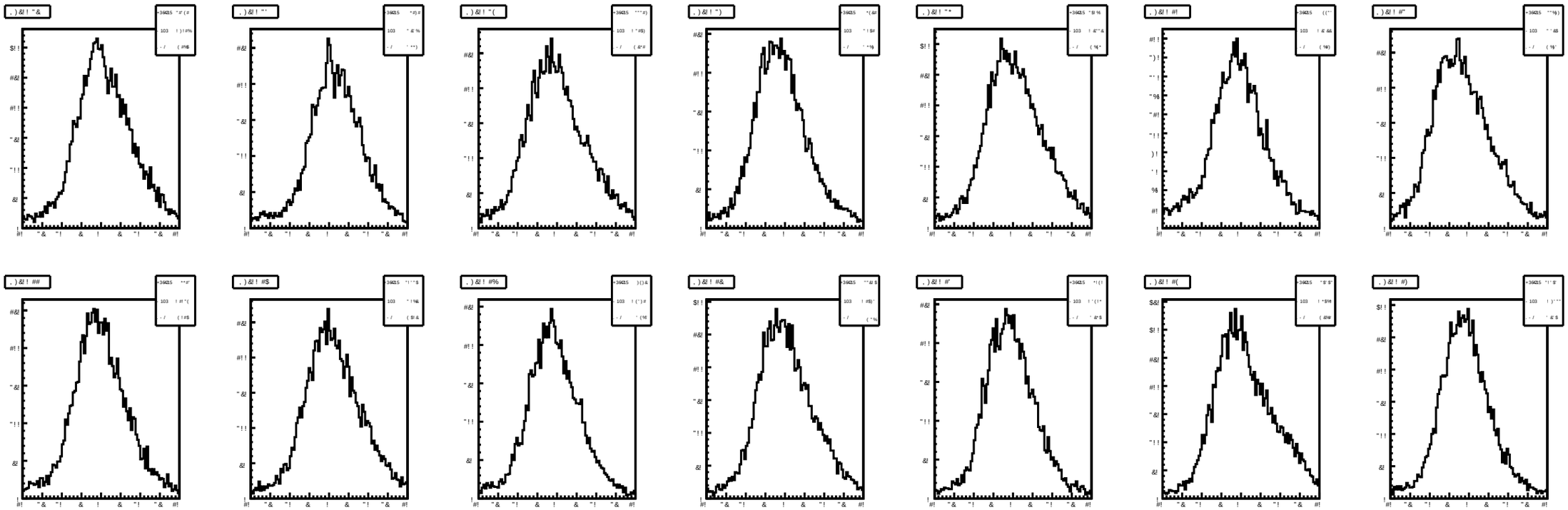




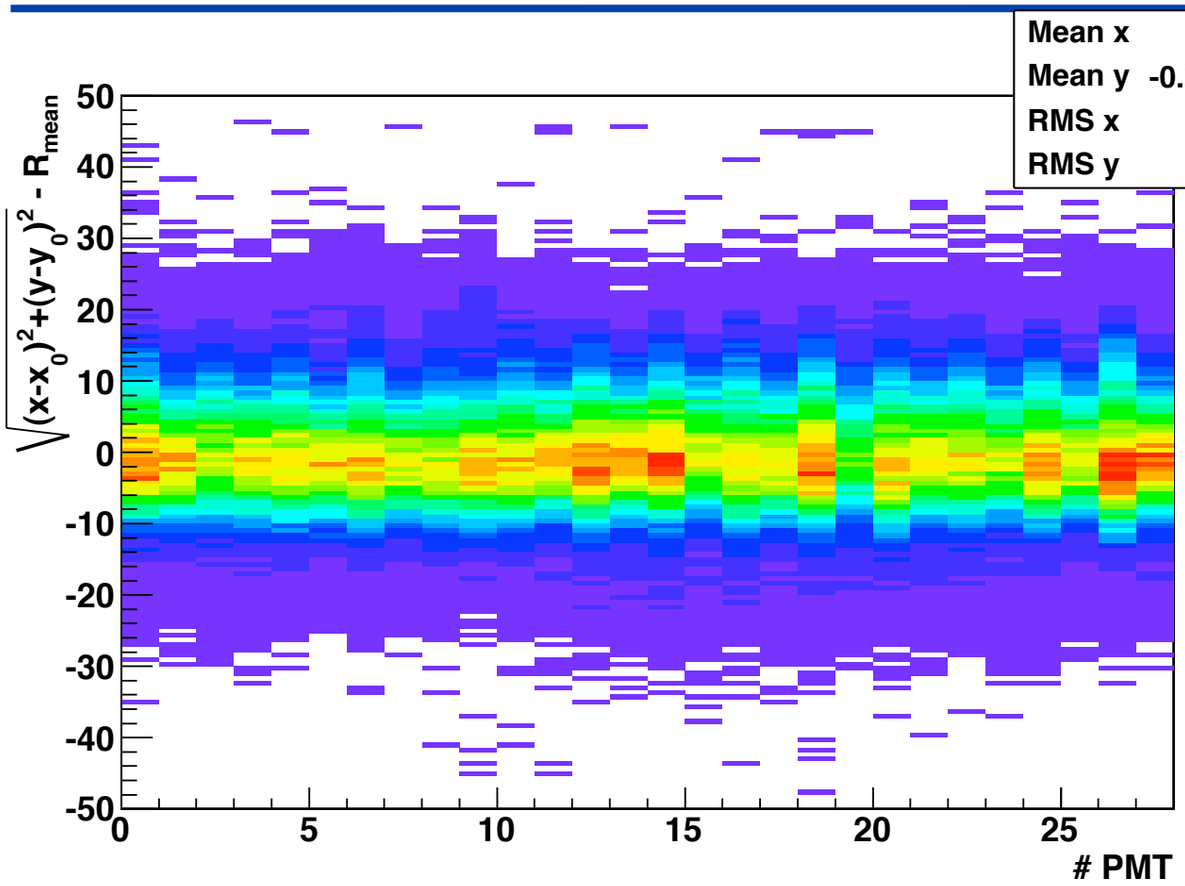
R - the radius from each event

Offset vs PMT



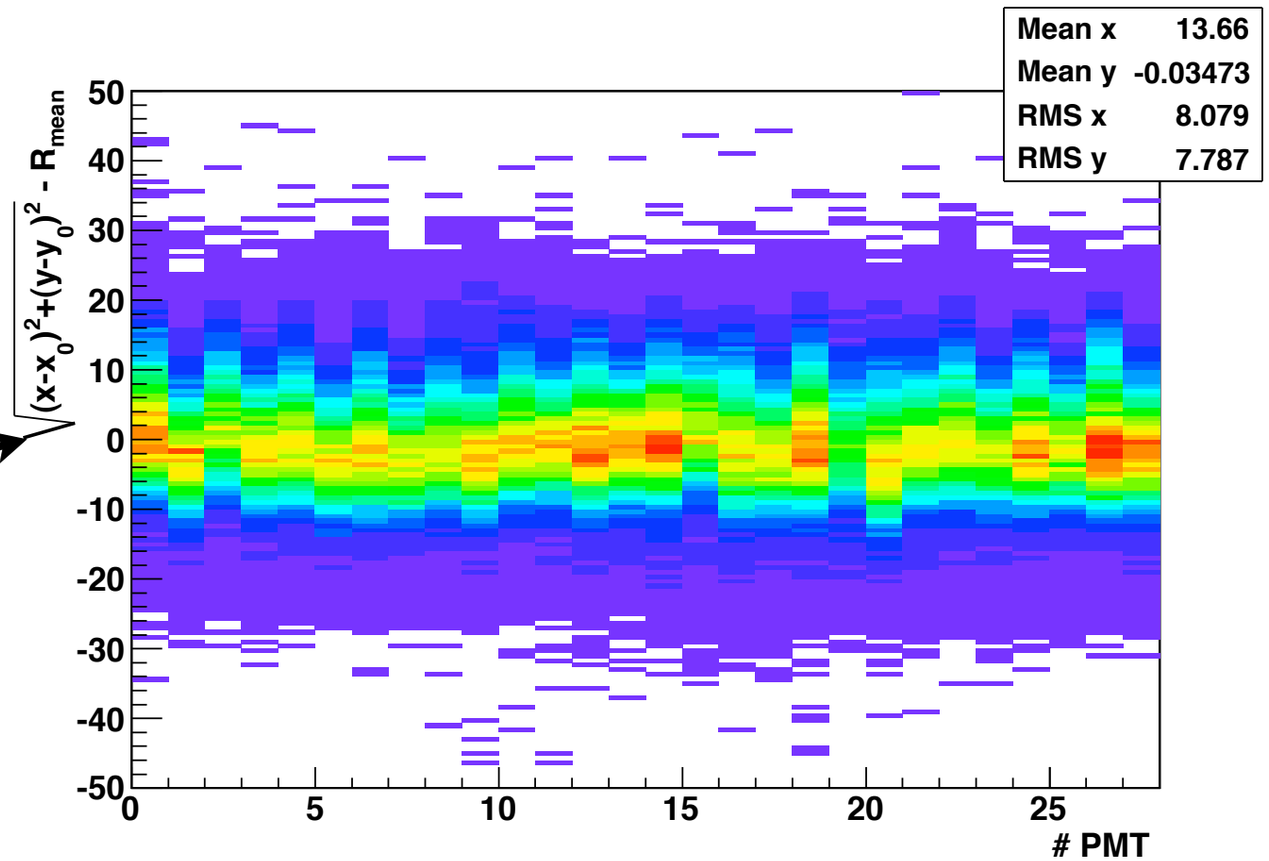


results of the correction

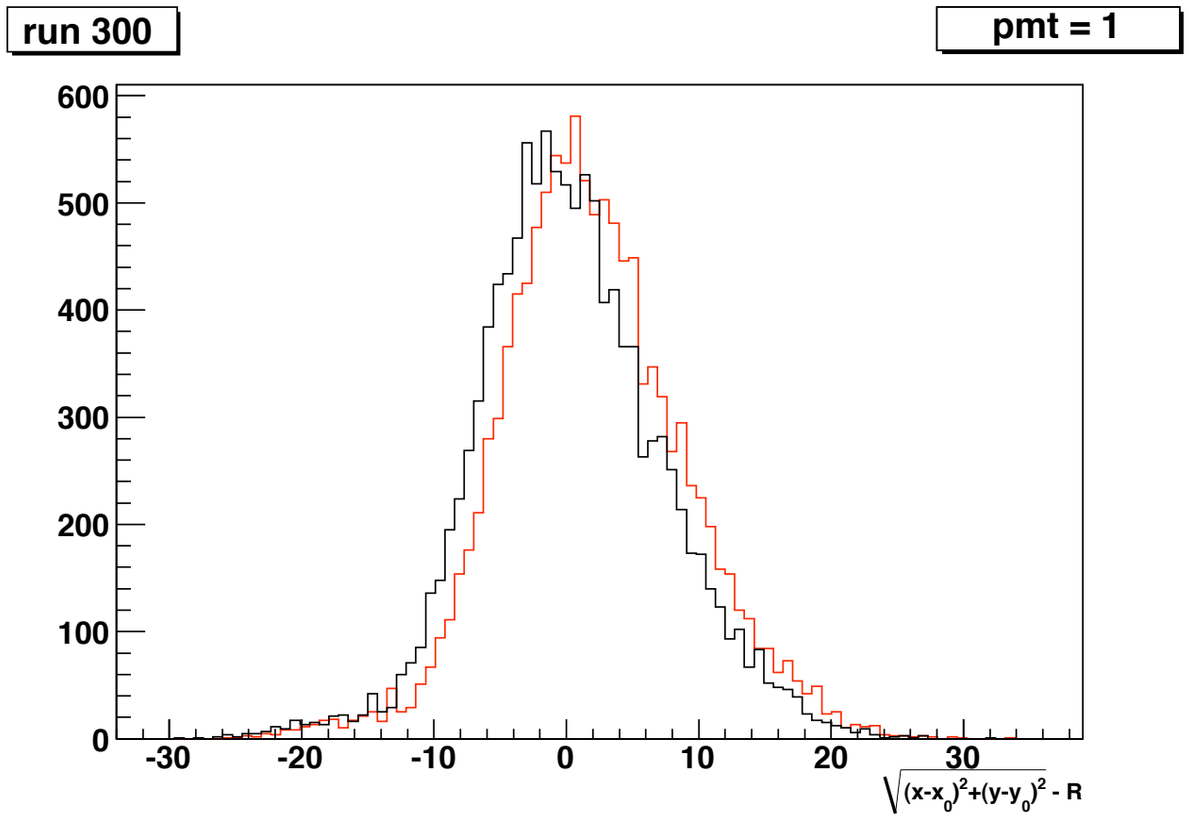


After corr.

Before corr.

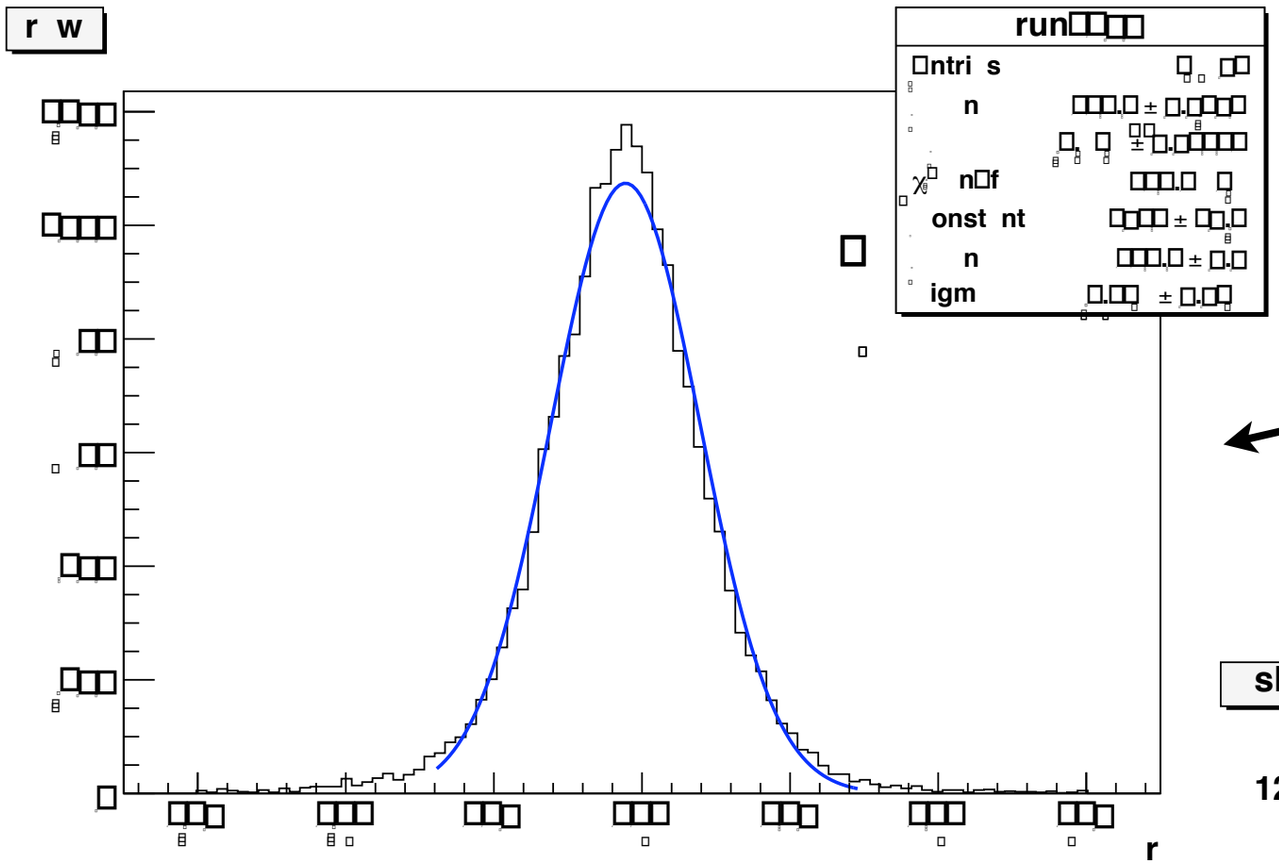


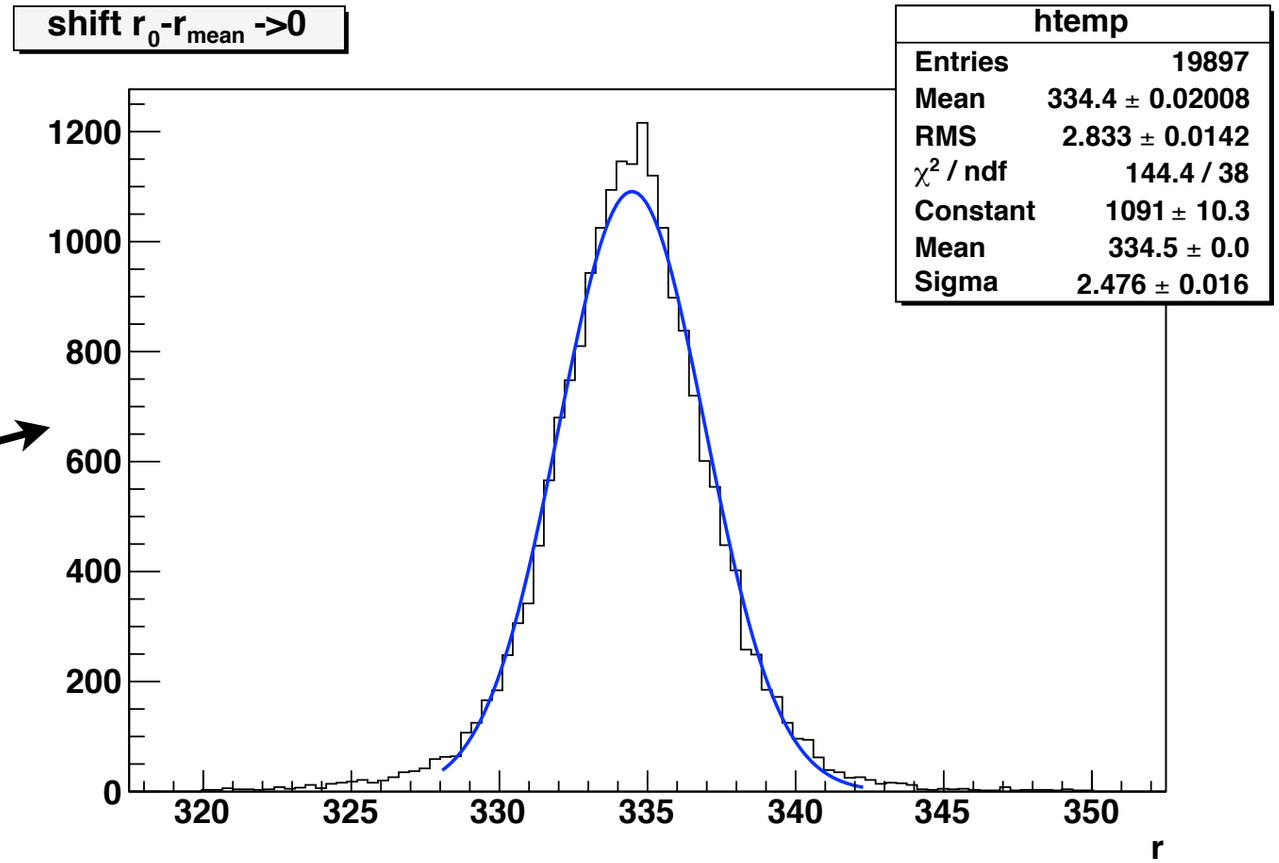
results of the correction



# PMT	before correction	after correction
1	2.031603	0.417188
2	-1.676657	-0.433190
3	2.118945	0.475499
4	-0.633899	-0.256361
5	0.543138	0.014230
6	-1.920014	-0.599436
7	-0.336311	-0.224802
8	-2.034996	-0.562658
9	-0.193991	-0.169584
10	-1.401928	-0.472054
11	0.982491	0.145289
12	0.189876	-0.011694
13	0.230049	0.009024
14	0.058835	-0.004414
15	0.802407	0.210920
16	1.564034	0.420416
17	-0.123794	0.003703
18	-1.031894	-0.197254
19	0.511512	0.190231
20	-0.565529	-0.092060
21	-1.653469	-0.398859
22	-0.201669	0.020056
23	1.044871	0.316950
24	-0.768181	-0.135154
25	0.238633	0.100541
26	-0.670909	-0.137449
27	0.934931	0.244615
28	-0.861074	-0.200930

Ring Radius before and after correction



Before corr.

After corr.