

Update on LUXE GEANT4 Simulation

Oleksandr Borysov

Geometry information

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 LUXE SW ☆

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Tracking layers

Oleksandr Borysov posted on 23. Nov. 2020 14:04h - last edited by Oleksandr Borysov on 24. Nov. 2020 00:40h

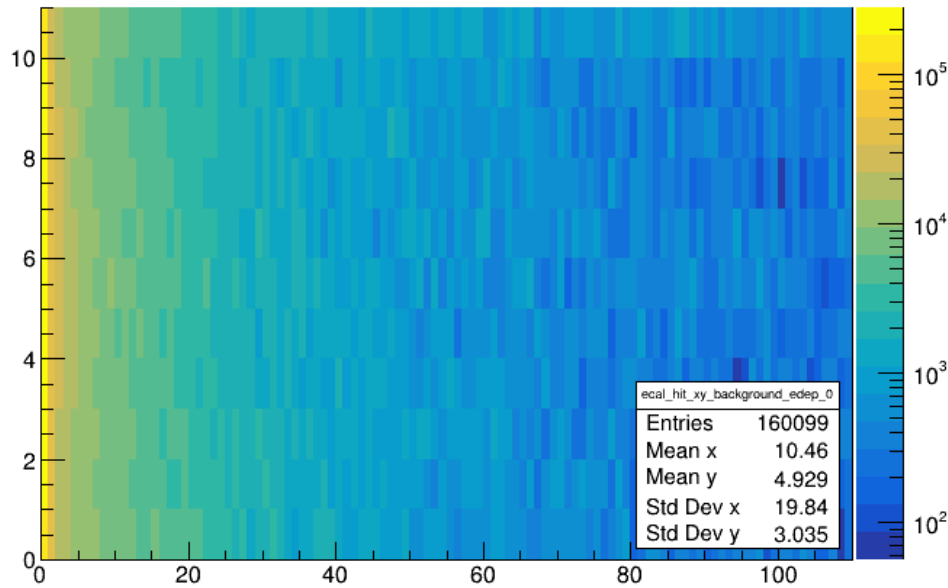
Tracker sensors location

detid	det_name	layerid	size_x	size_y	translation_x	translation_y	translation_z
1000	OPPPSensi	0	29.94176	13.76256	67.73	0.61872	3864.5125
1001	OPPPSensi	0	29.94176	13.76256	97.83	0.61872	3864.5125
1002	OPPPSensi	0	29.94176	13.76256	127.93	0.61872	3864.5125
1003	OPPPSensi	0	29.94176	13.76256	158.03	0.61872	3864.5125
1004	OPPPSensi	0	29.94176	13.76256	188.13	0.61872	3864.5125
1005	OPPPSensi	0	29.94176	13.76256	218.23	0.61872	3864.5125
1006	OPPPSensi	0	29.94176	13.76256	248.33	0.61872	3864.5125
1007	OPPPSensi	0	29.94176	13.76256	278.43	0.61872	3864.5125
1008	OPPPSensi	0	29.94176	13.76256	308.53	0.61872	3864.5125
1000	OPPPSensi	1	29.94176	13.76256	298.53	0.61872	3876.5125
1001	OPPPSensi	1	29.94176	13.76256	328.63	0.61872	3876.5125
1002	OPPPSensi	1	29.94176	13.76256	358.73	0.61872	3876.5125
1003	OPPPSensi	1	29.94176	13.76256	388.83	0.61872	3876.5125
1004	OPPPSensi	1	29.94176	13.76256	418.93	0.61872	3876.5125
1005	OPPPSensi	1	29.94176	13.76256	449.03	0.61872	3876.5125
1006	OPPPSensi	1	29.94176	13.76256	479.13	0.61872	3876.5125
1007	OPPPSensi	1	29.94176	13.76256	509.23	0.61872	3876.5125
1008	OPPPSensi	1	29.94176	13.76256	539.33	0.61872	3876.5125

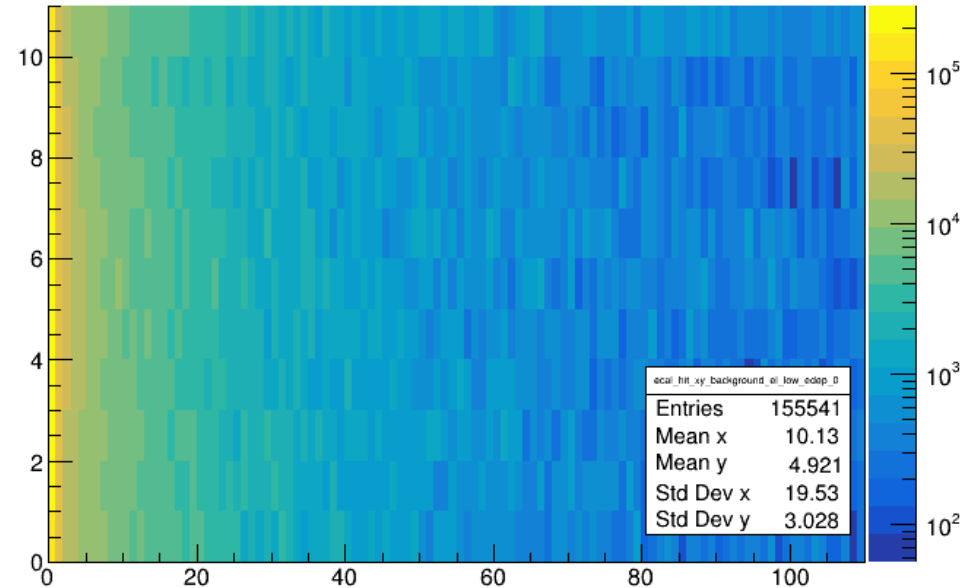
Background components in ECAL (XY view)

MC: 8000nm, 9479 BX

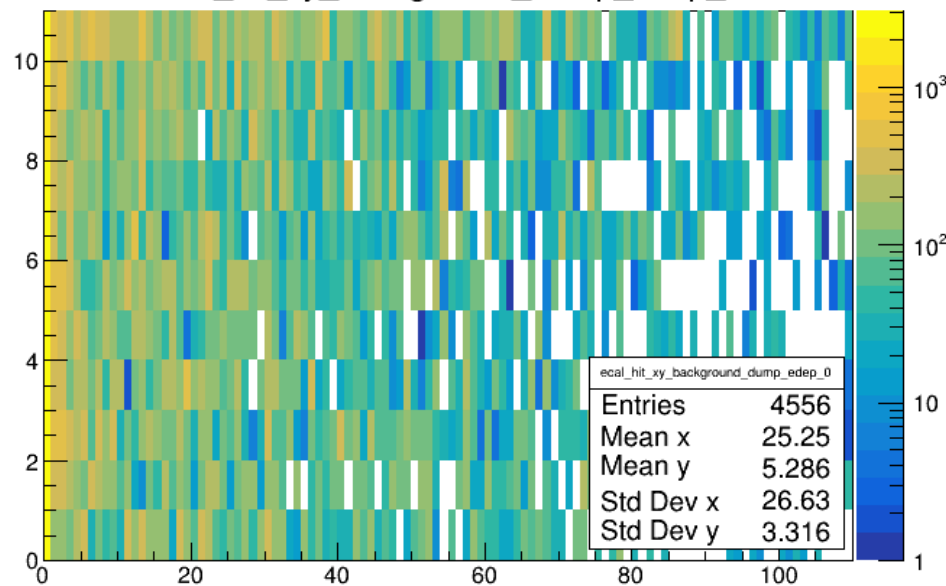
ecal_hit_xy_background_edep_0



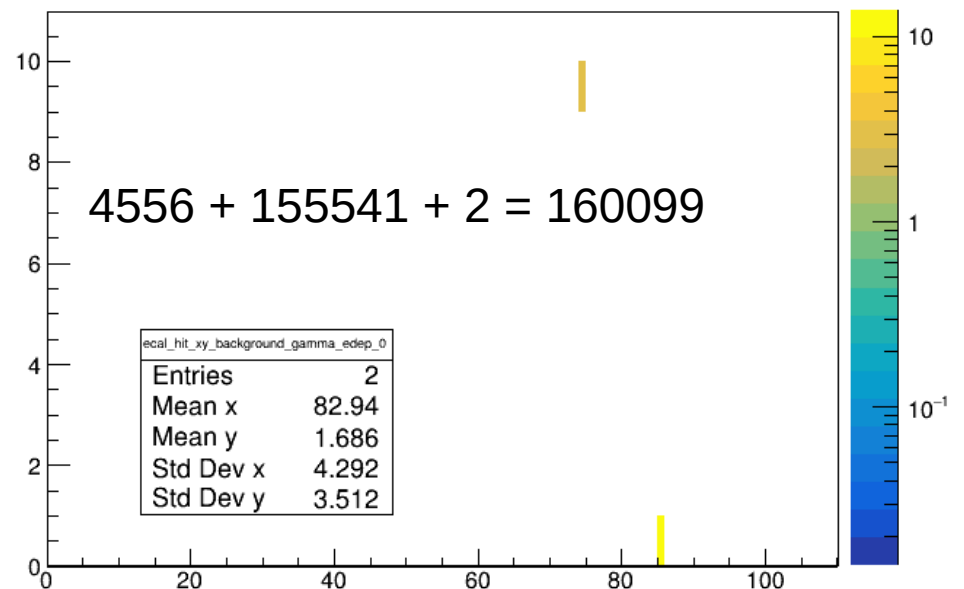
ecal_hit_xy_background_el_low_edep_0



ecal_hit_xy_background_dump_edep_0



ecal_hit_xy_background_gamma_edep_0



Background components in ECAL (ZX view)

