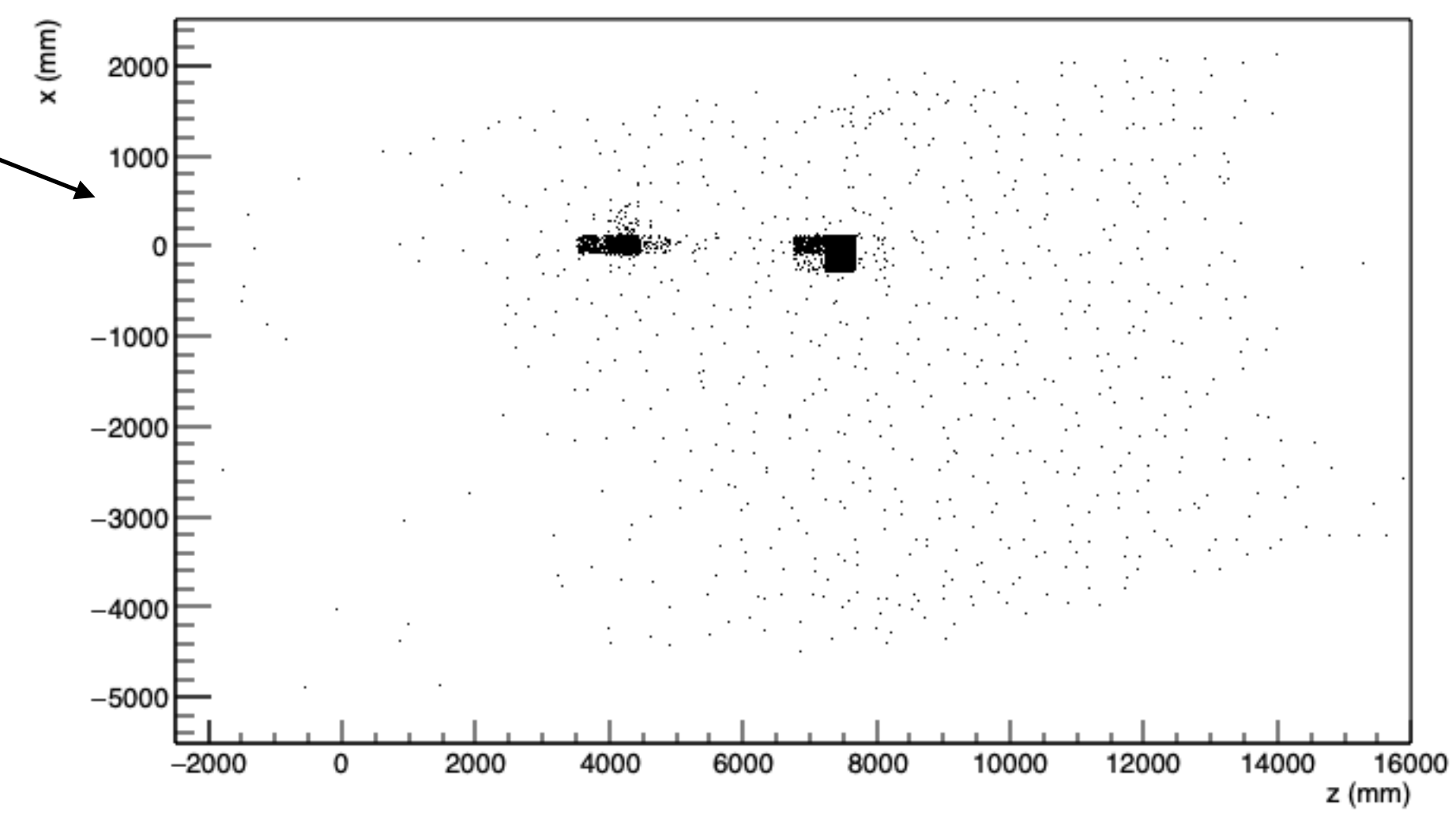
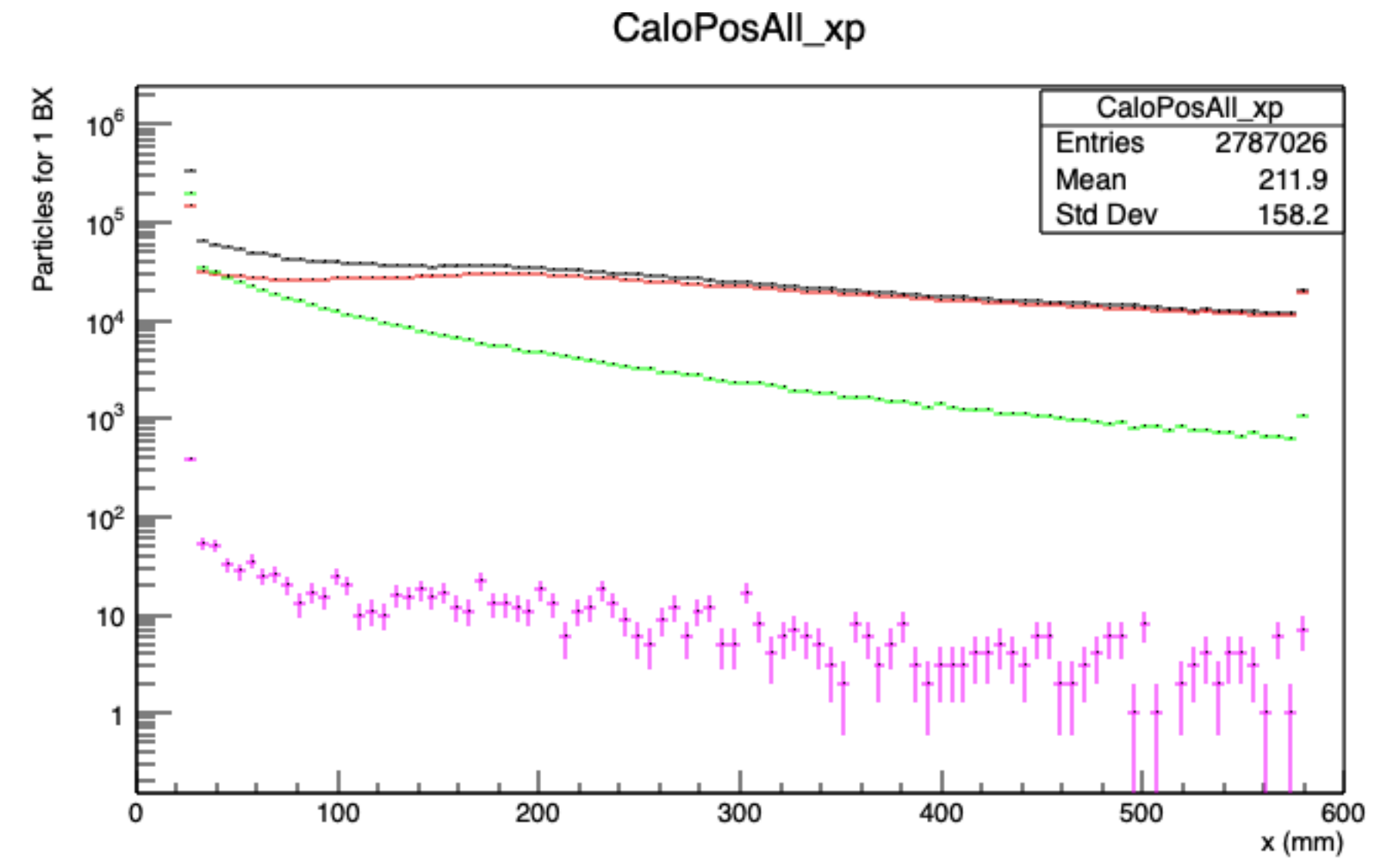
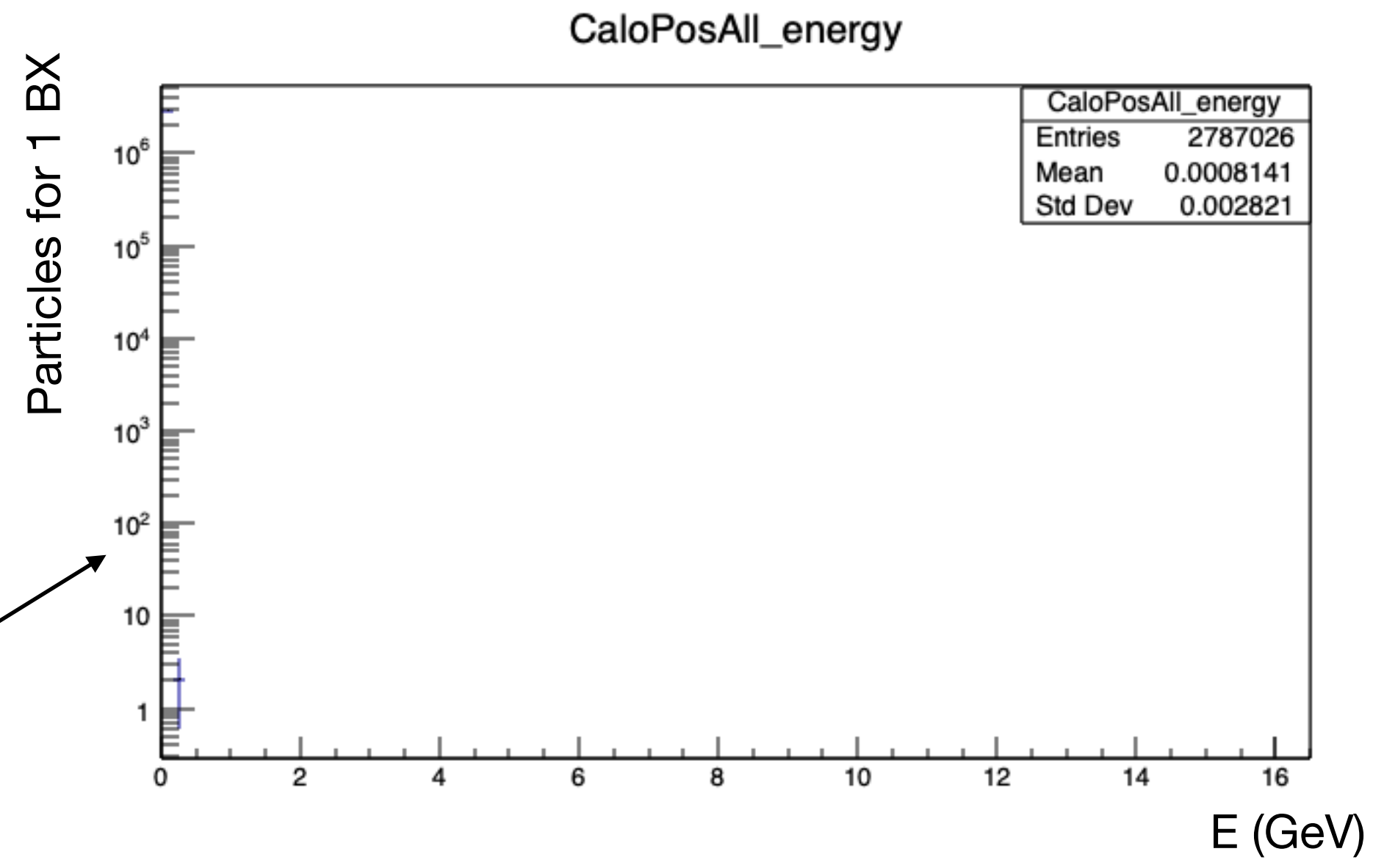
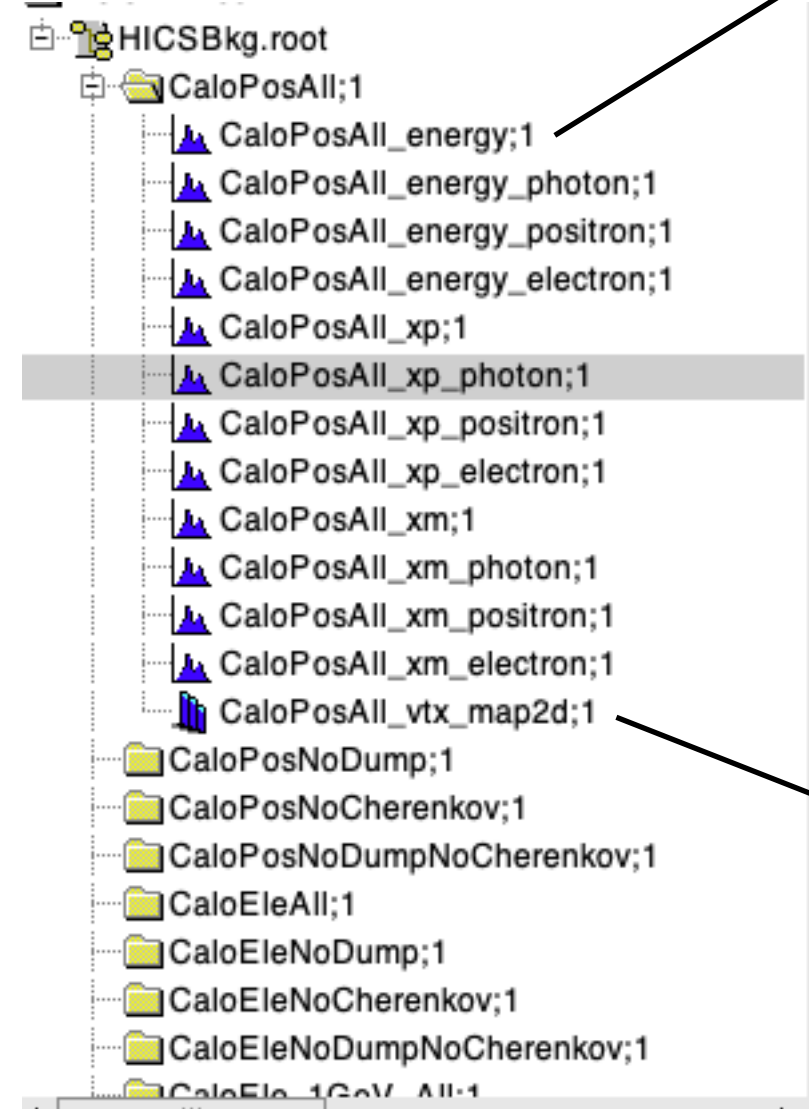


FIRST NUMBERS WITH THE CALORIMETER

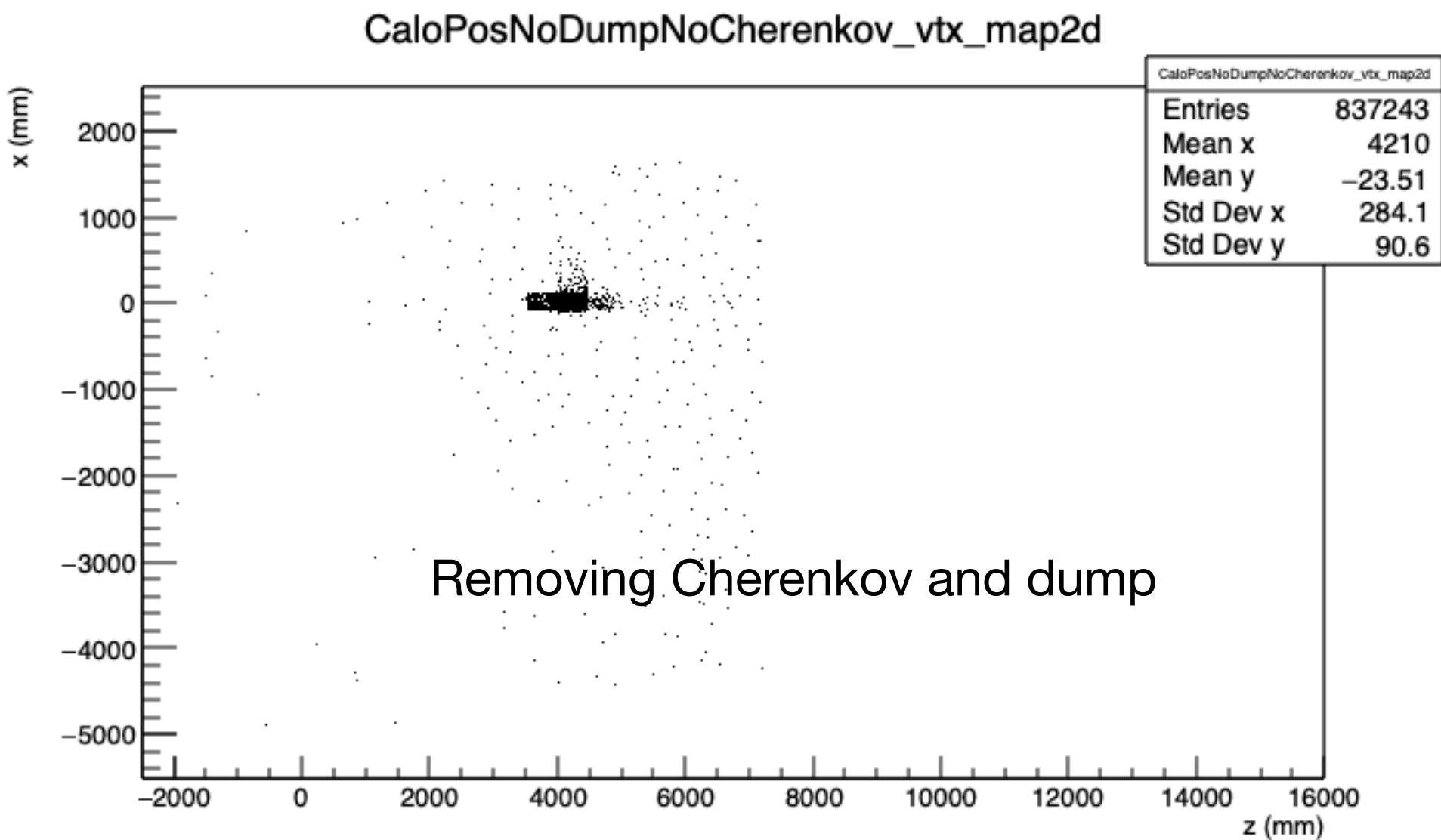
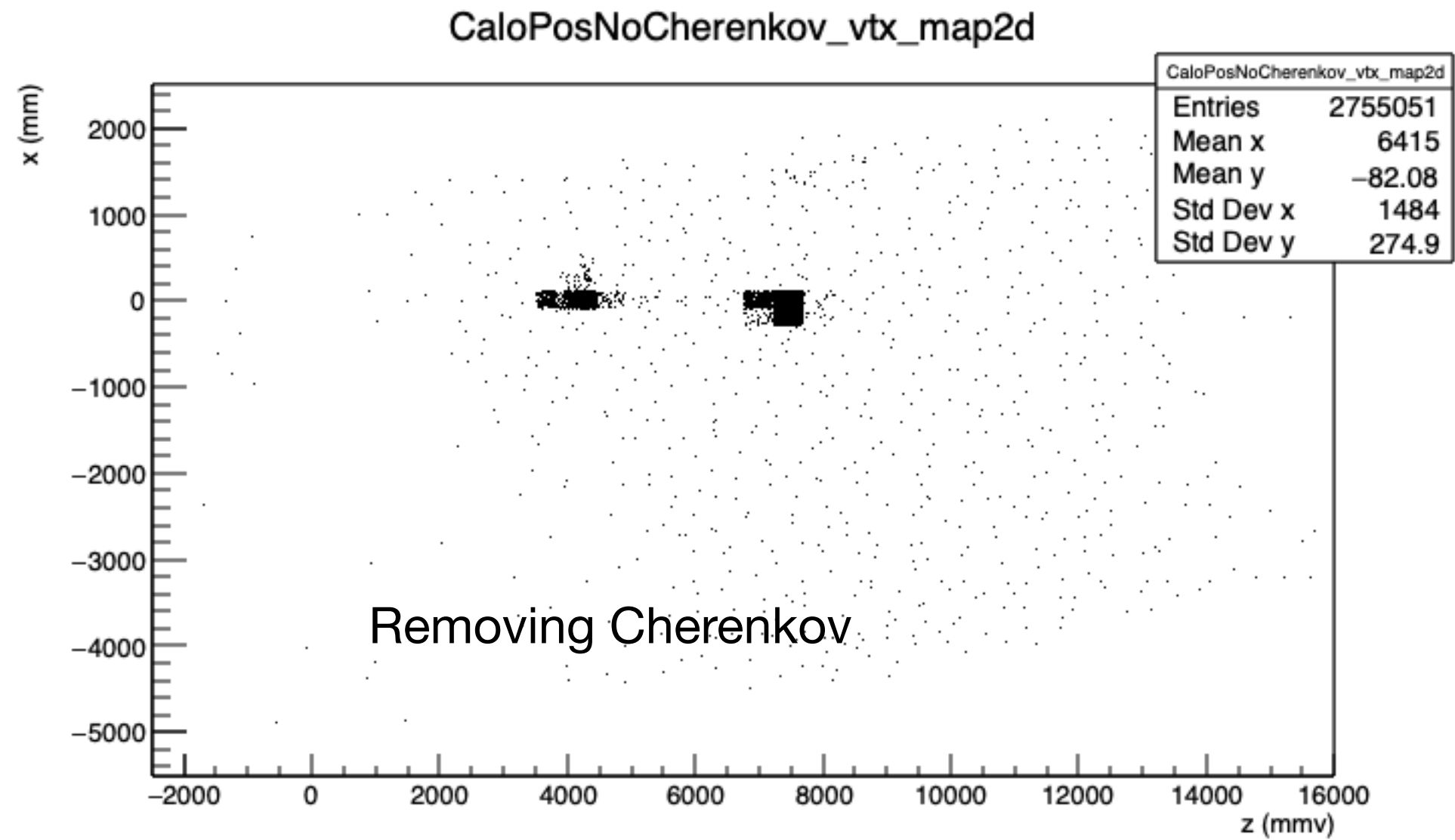
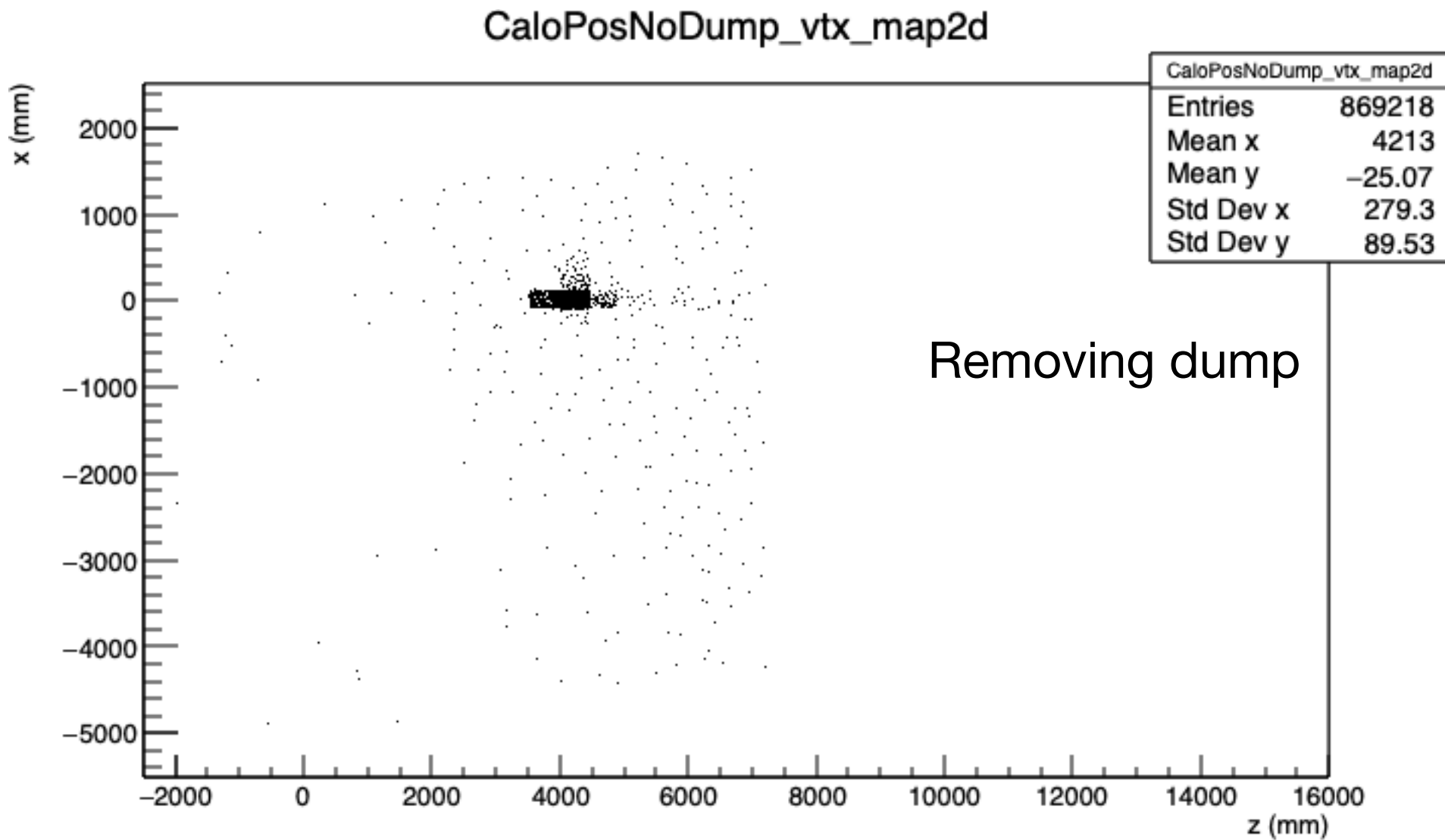
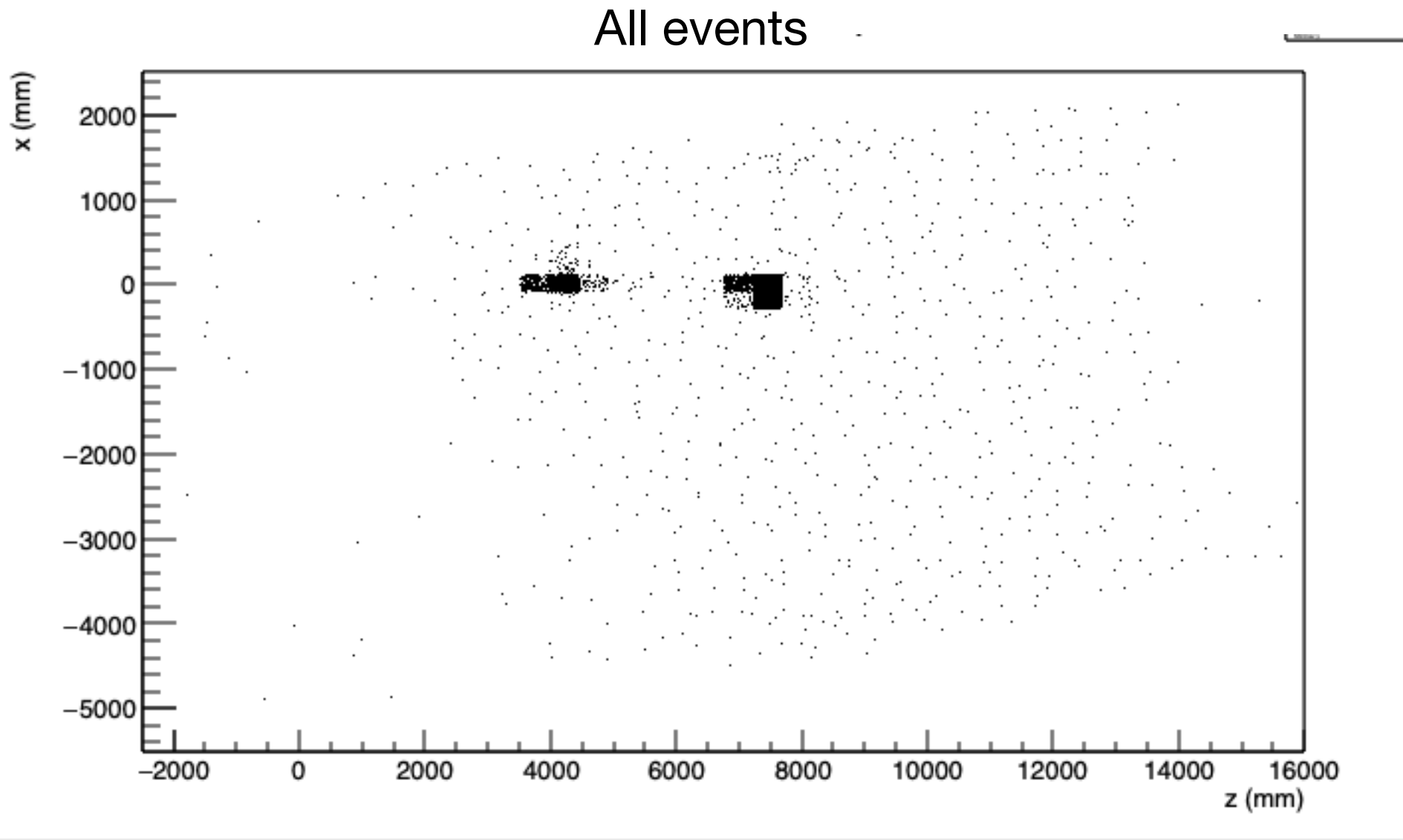
LOUIS HELARY - DESY



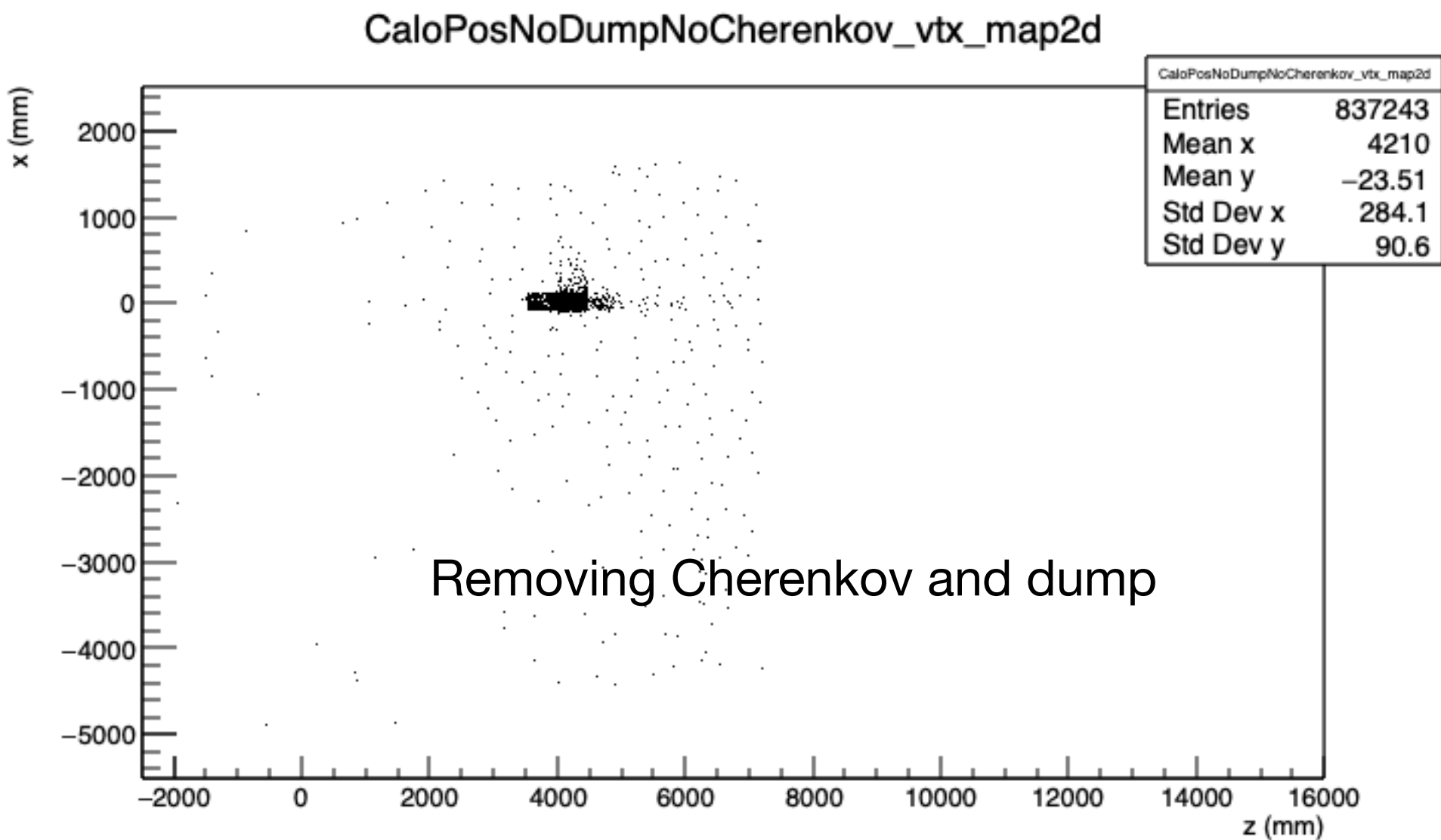
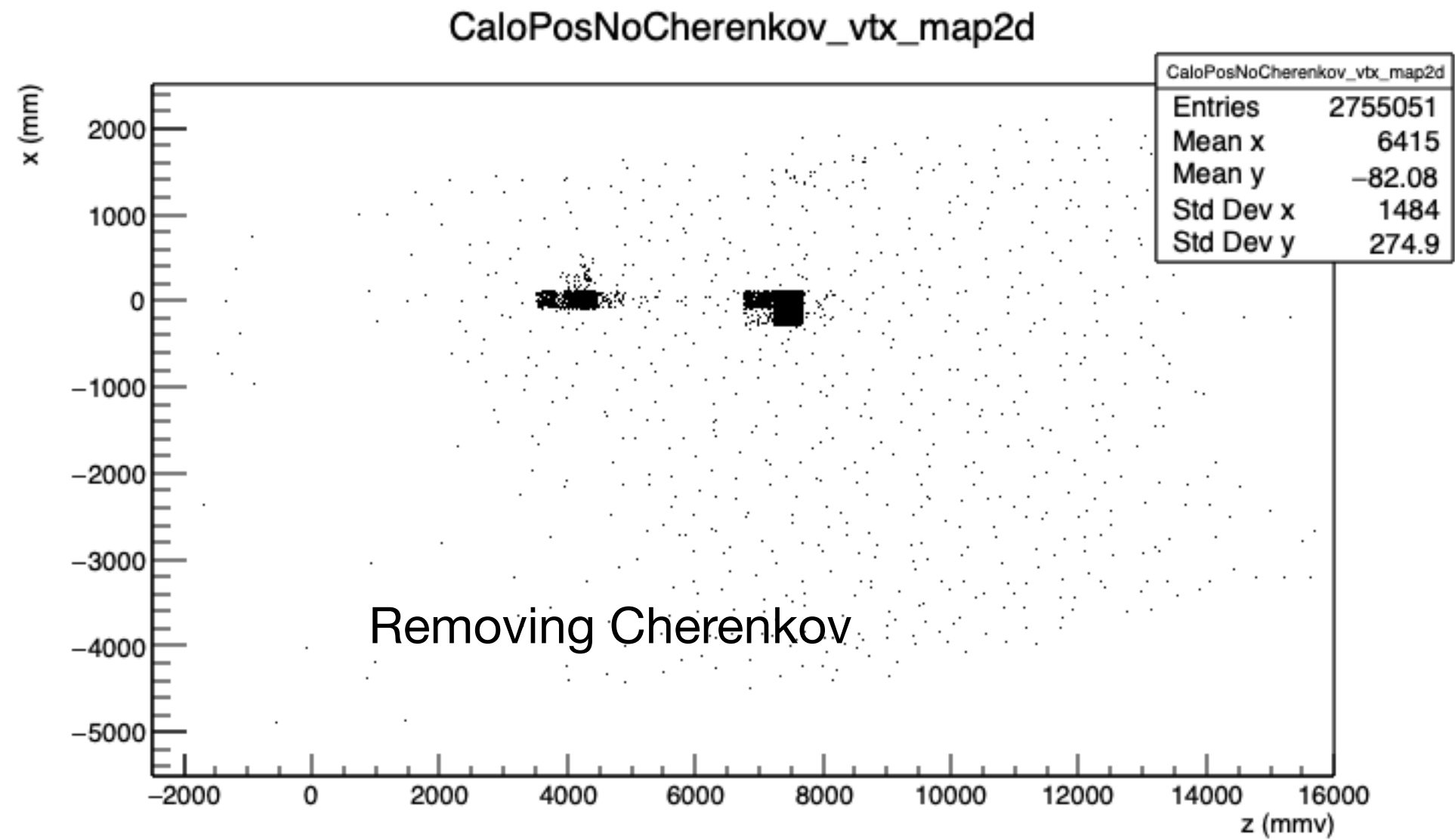
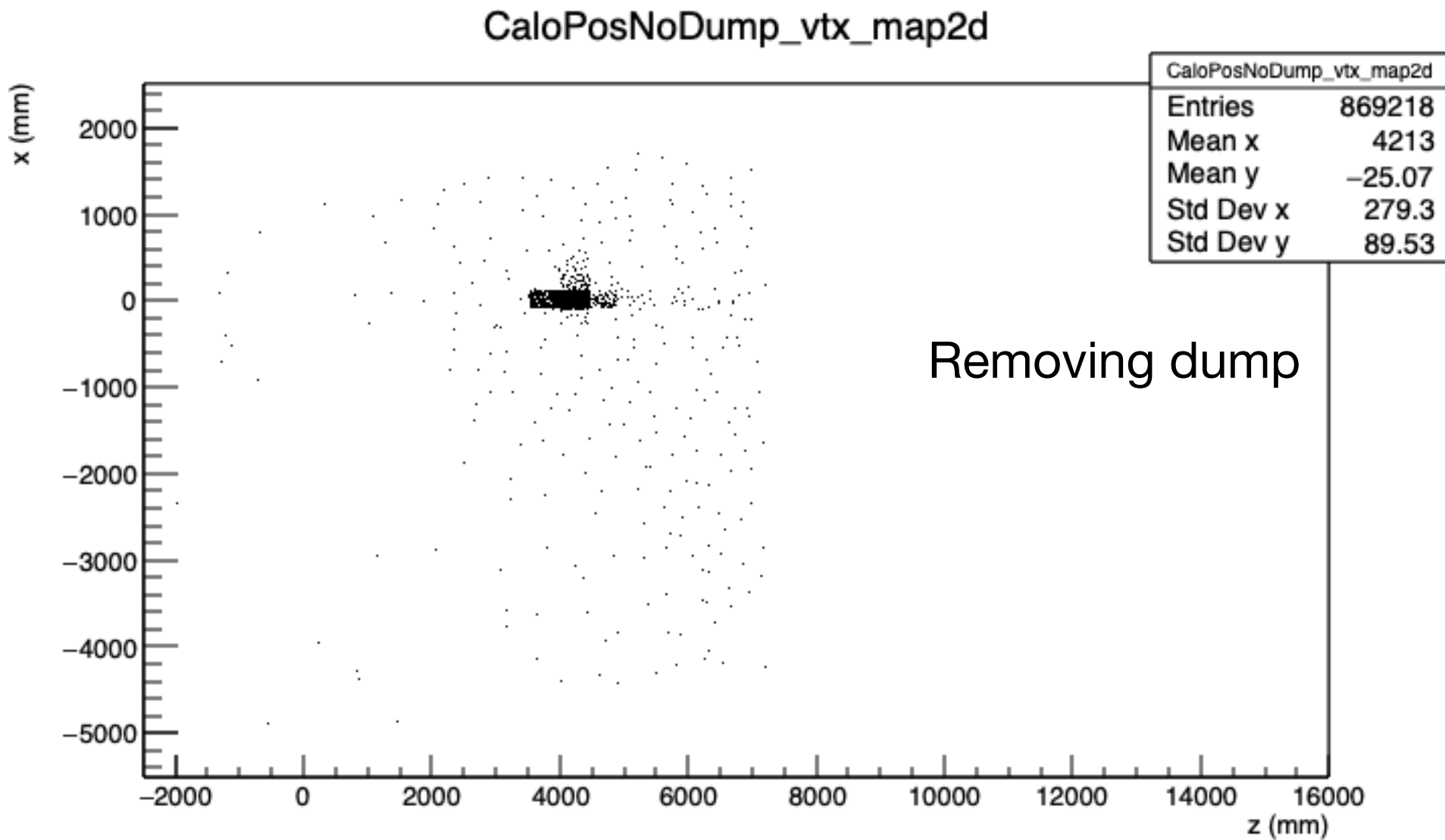
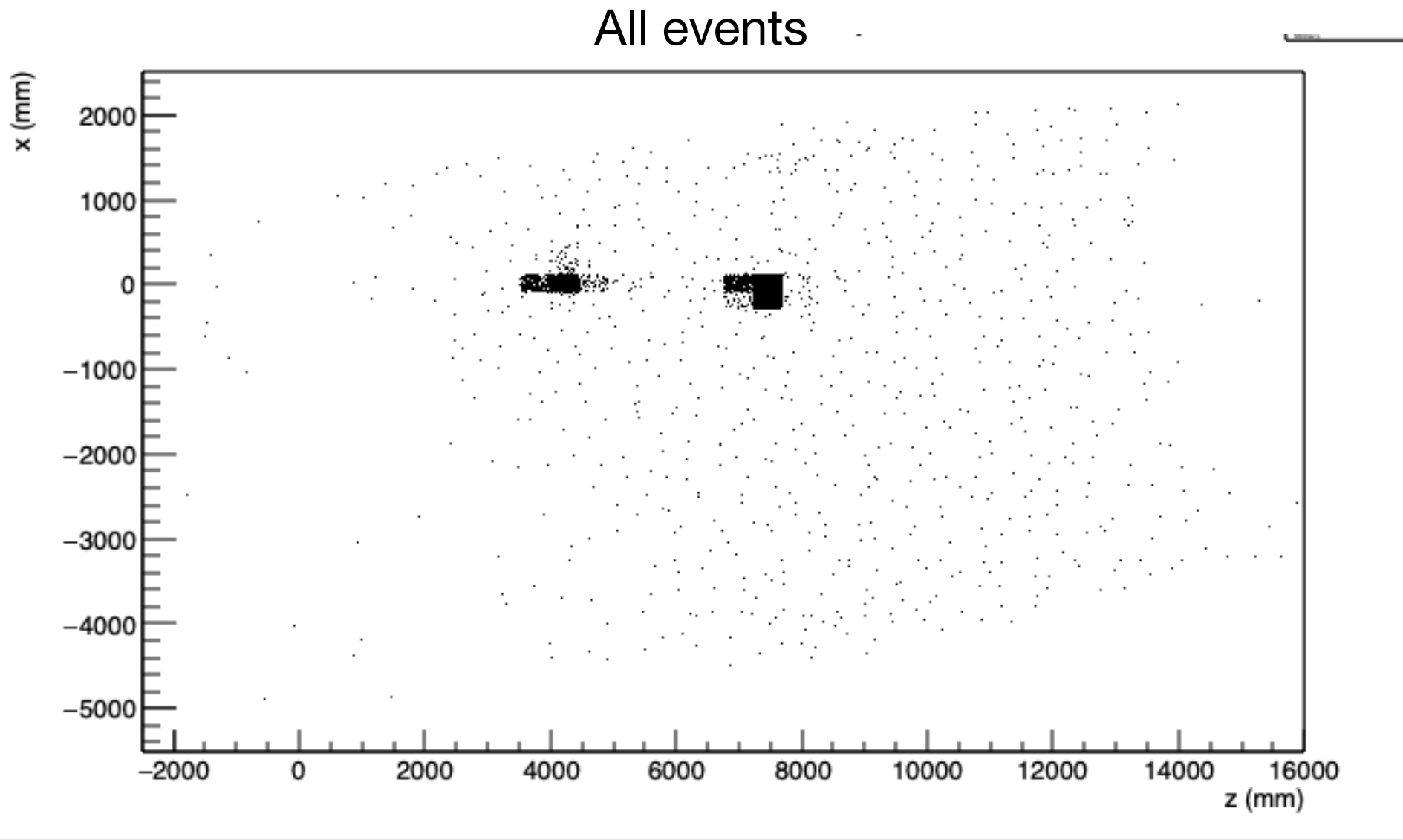
HICS setup e-bkg only



HICS setup e-bkg only



HICS setup e-bkg only



A	B	C	D	E	F	G	H	I	J	K	L
			N(Inclusive) per BX			N(E>1 GeV) per BX			SumE(Inclusive) per BX [GeV]		
system	area [mm2]	shortname	gam	ele	pos	gam	ele	pos	gam	ele	pos
Tracker	3709	TRK1in e+	4.35E+04	6.42E+02	1.36E+01	0.00E+00	0.00E+00	0.00E+00	8.64E+00	3.28E-01	4.40E-02
	3709	TRK1out e+	3.88E+04	2.08E+02	1.04E+01	0.00E+00	0.00E+00	0.00E+00	6.48E+00	1.24E-01	1.65E-02
	3709	TRK2in e+	4.32E+04	8.90E+02	1.20E+01	0.00E+00	0.00E+00	0.00E+00	8.91E+00	4.49E-01	2.70E-02
	3709	TRK2out e+	3.74E+04	2.14E+02	6.40E+00	0.00E+00	0.00E+00	0.00E+00	6.27E+00	1.24E-01	1.71E-02
	3709	TRK3in e+	4.35E+04	1.11E+03	1.12E+01	0.00E+00	0.00E+00	0.00E+00	9.82E+00	4.67E-01	3.57E-02
	3709	TRK3out e+	3.67E+04	2.66E+02	4.80E+00	0.00E+00	0.00E+00	0.00E+00	6.20E+00	1.16E-01	1.10E-02
	3709	TRK4in e+	3.83E+04	1.10E+03	1.36E+01	0.00E+00	0.00E+00	0.00E+00	1.01E+01	5.01E-01	2.00E-02
	3709	TRK4out e+	2.87E+04	2.25E+02	4.80E+00	0.00E+00	0.00E+00	0.00E+00	5.02E+00	7.74E-02	6.71E-03
Calo	30250	CALO e-									
		CALO e+ All	2.10E+06	6.82E+05	1.32E+03	0.00E+00	0.00E+00	0.00E+00	1.58E+03	6.84E+02	5.55E+00
		CALO e+ ND	1.87E+05	6.82E+05	1.16E+03	0.00E+00	0.00E+00	0.00E+00	1.64E+02	6.82E+02	5.20E+00
		CALO e+ NC	2.07E+06	6.80E+05	1.24E+03	0.00E+00	1.59E+00	0.00E+00	1.57E+03	6.82E+02	5.31E+00
	30250	CALO e+ NC ND	1.58E+05	6.79E+05	1.07E+03	0.00E+00	0.00E+00	0.00E+00	1.57E+02	6.81E+02	4.96E+00
IP LANEX	5000	IPLNX e-	1.92E+06	1.09E+07	7.22E+02	0.00E+00	0.00E+00	0.00E+00	2.33E+02	1.47E+03	4.10E-01
IP Cherenkov	5026	IPCKV e-	6.31E+06	6.13E+05	5.88E+03	0.00E+00	1.59E+00	0.00E+00	6.75E+02	1.85E+03	2.32E+01
Fwd LANEX	10000	FWDLNX e-									
	10000	FWDLNX e+									
Fwd Cherenkov	5026	FWDCKV e-									
	5026	FWDCKV e+									
Backscattering calo	11552	BCKCAL	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

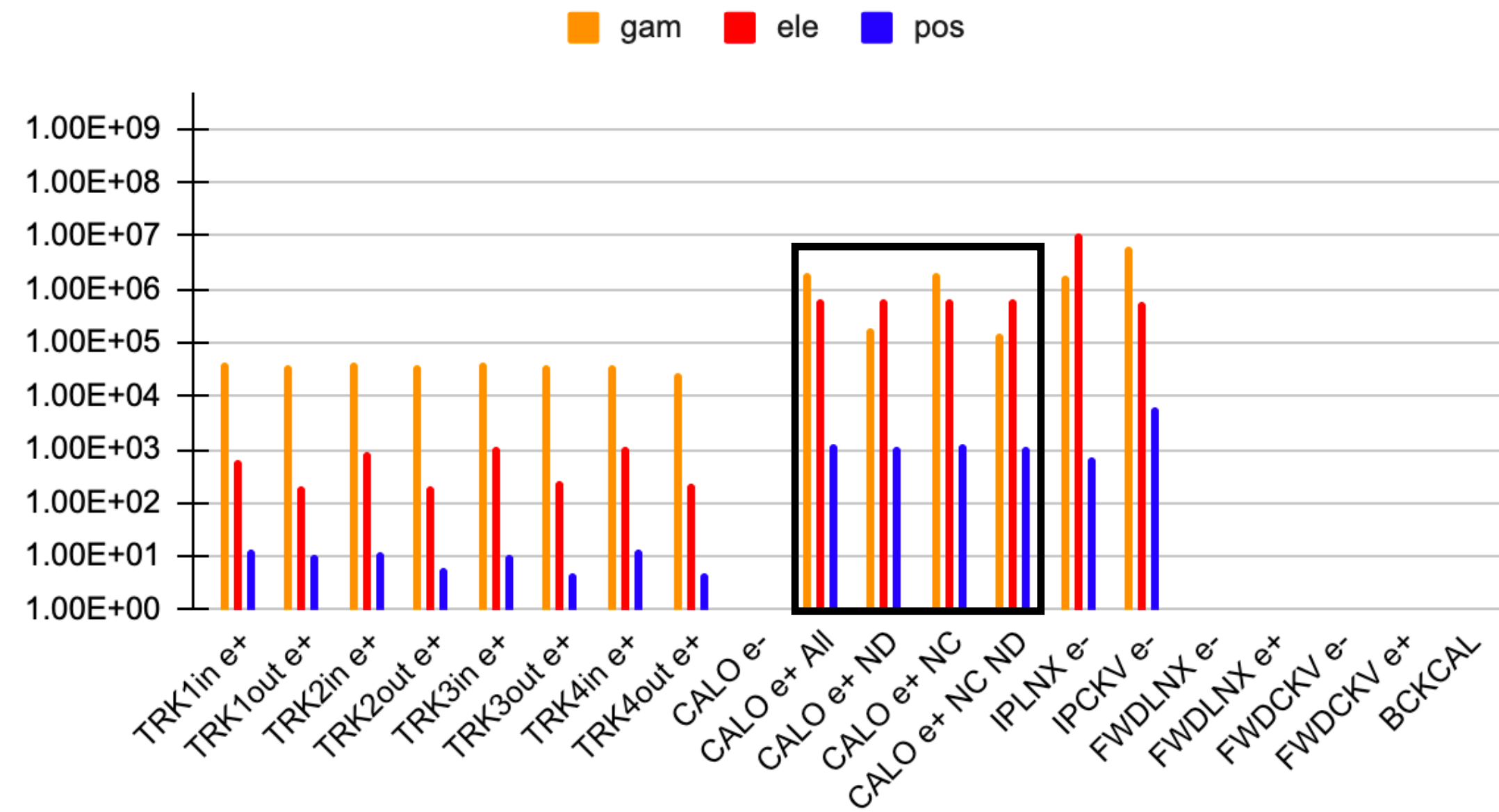
No cuts

No dump

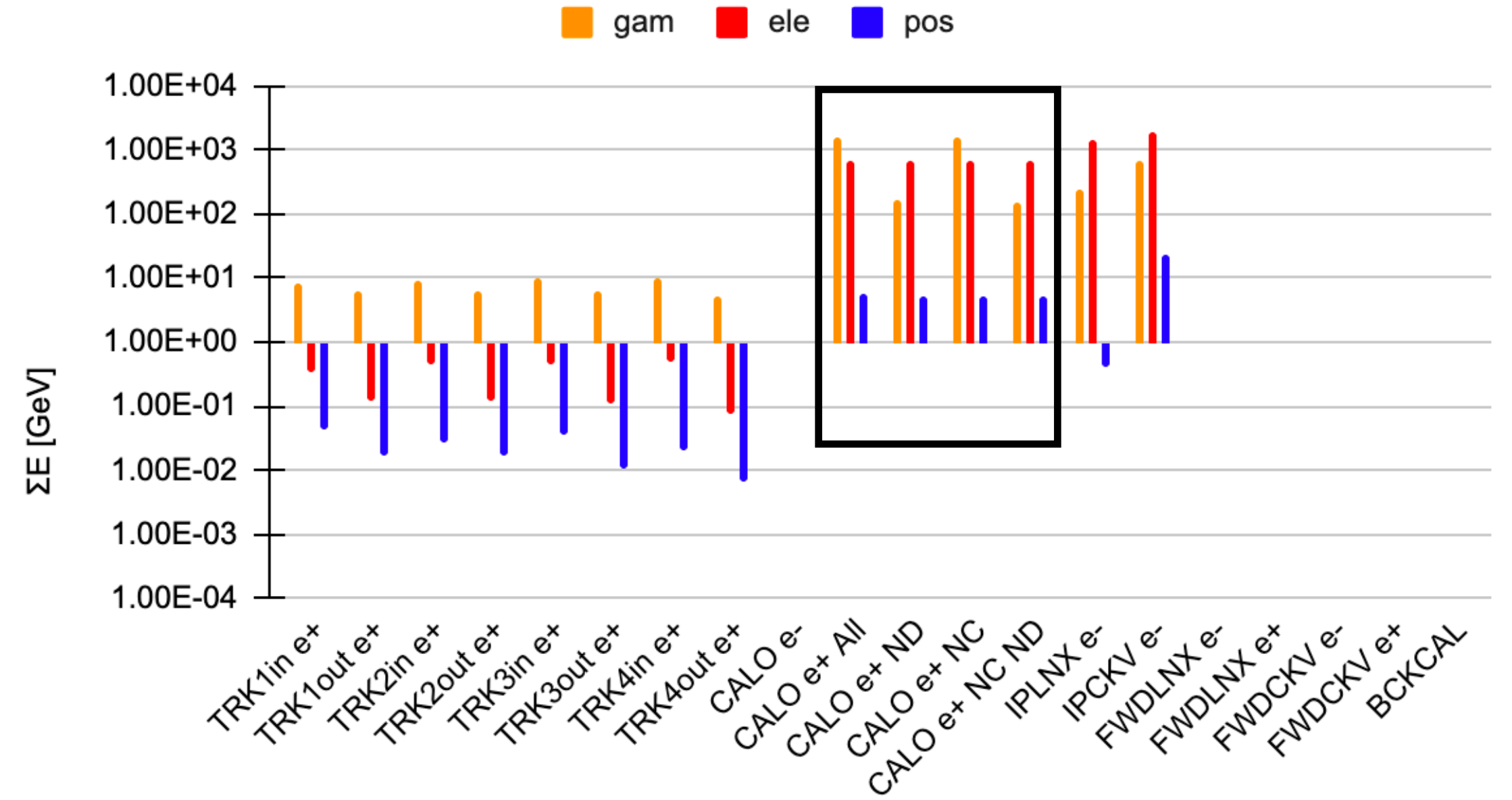
No Cherenkov

No dump no Cherenkov

Particles per BX, electron+laser setup (JETI40)

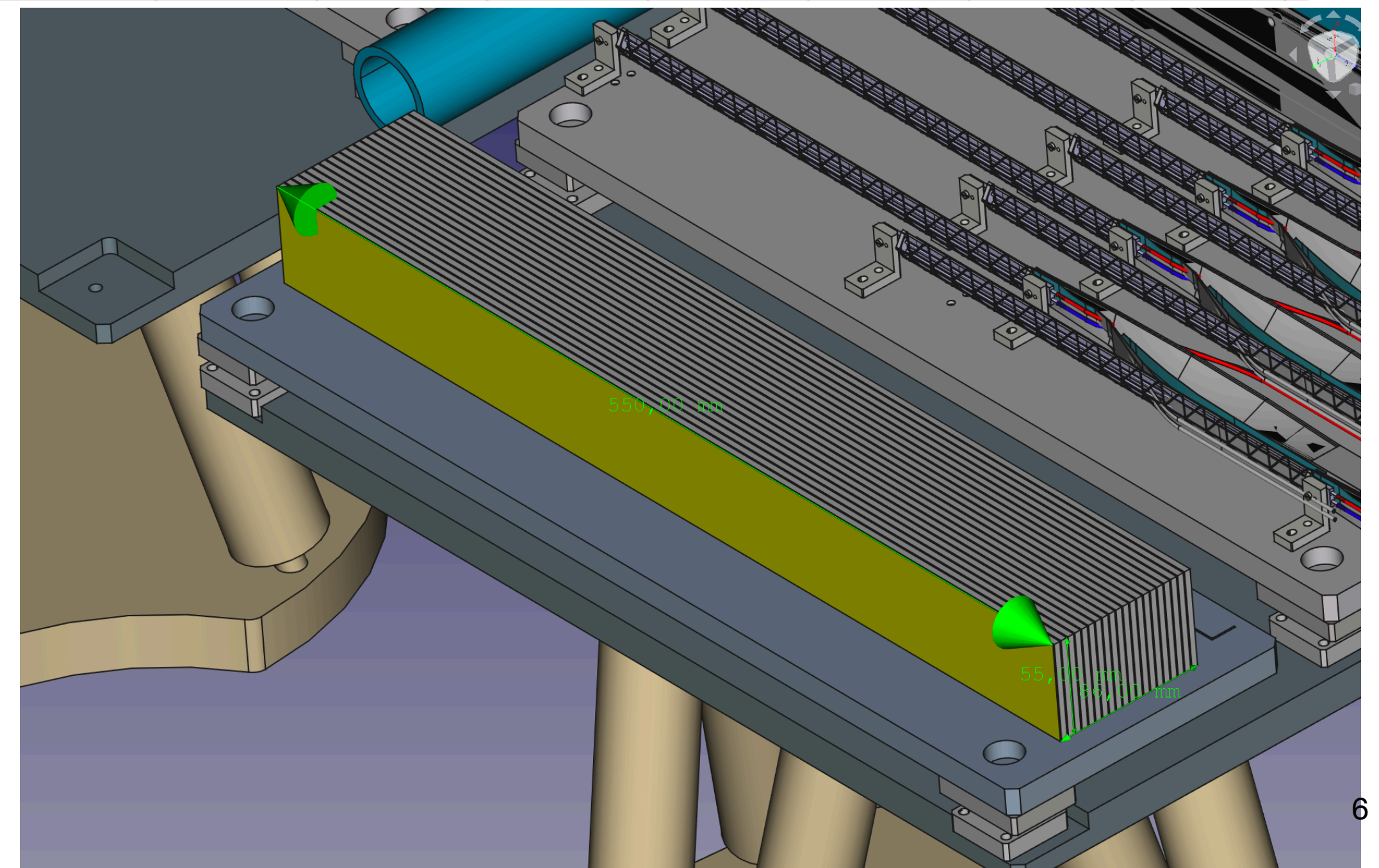


ΣE per BX, electron+laser setup (JETI40)



Quite some more energy and particles in the calorimeter than in the trackers, more similar to cherenkov and lanex.

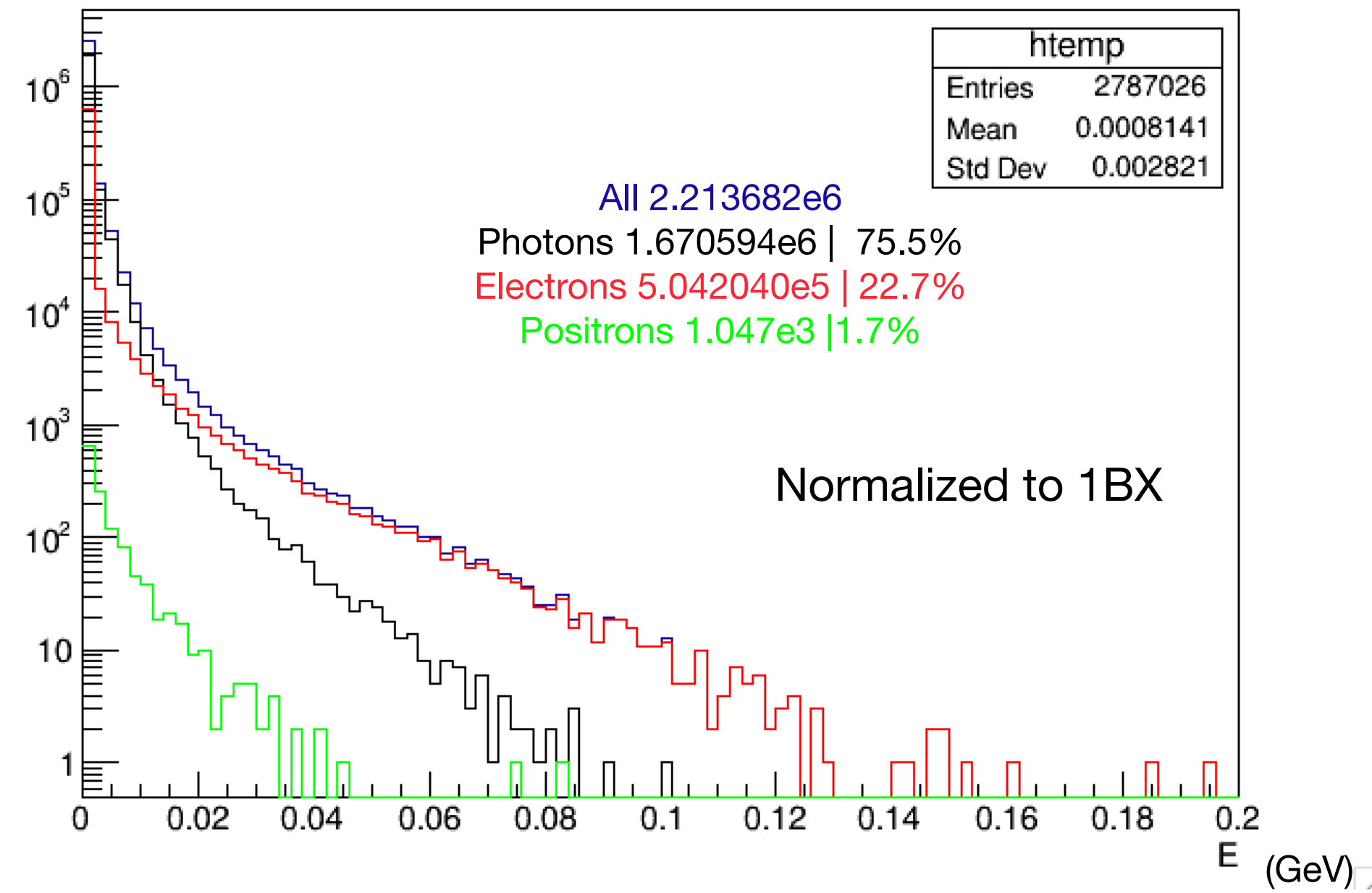
Could this be due the fact that we integrate over larger volume (so more surface available?)



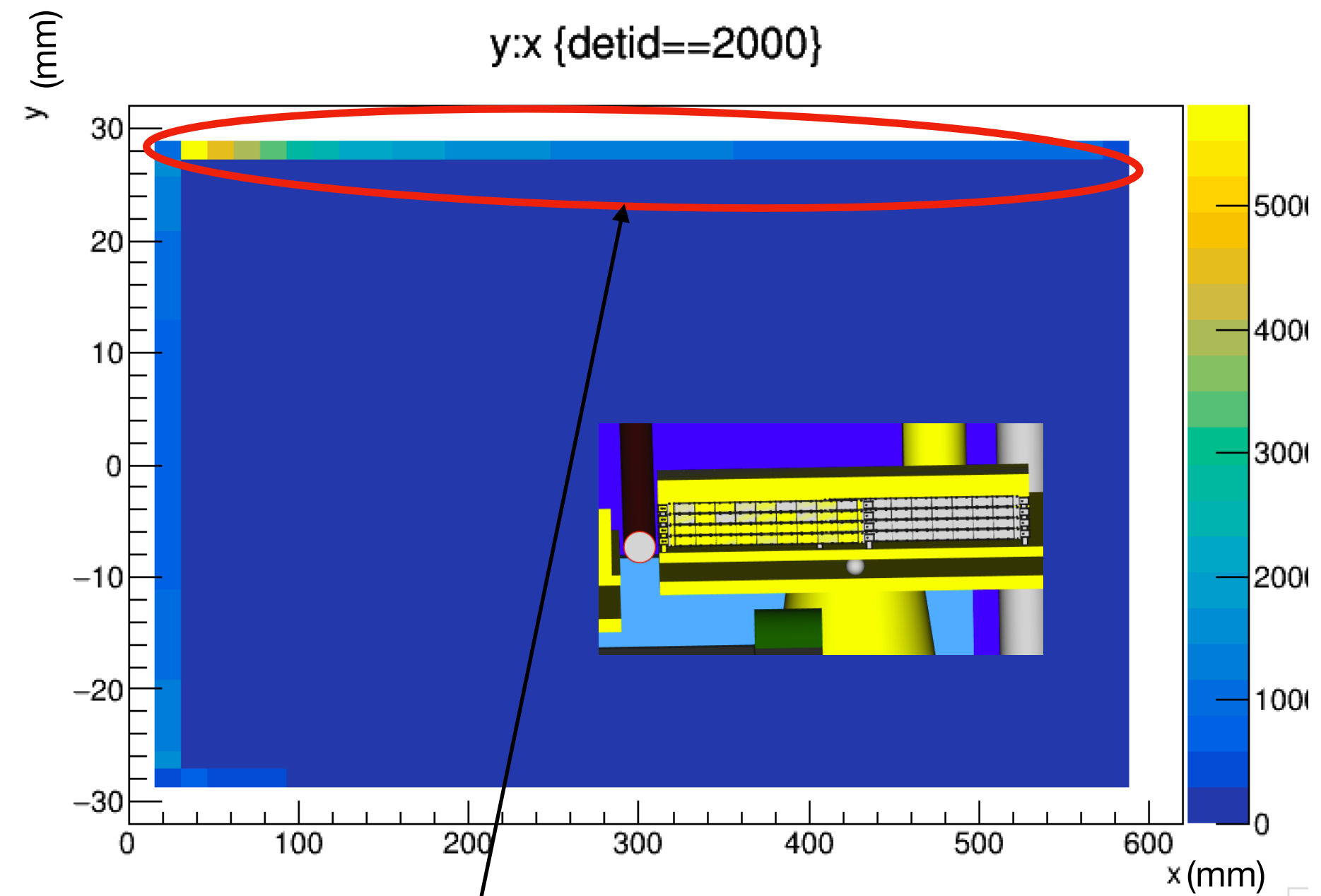
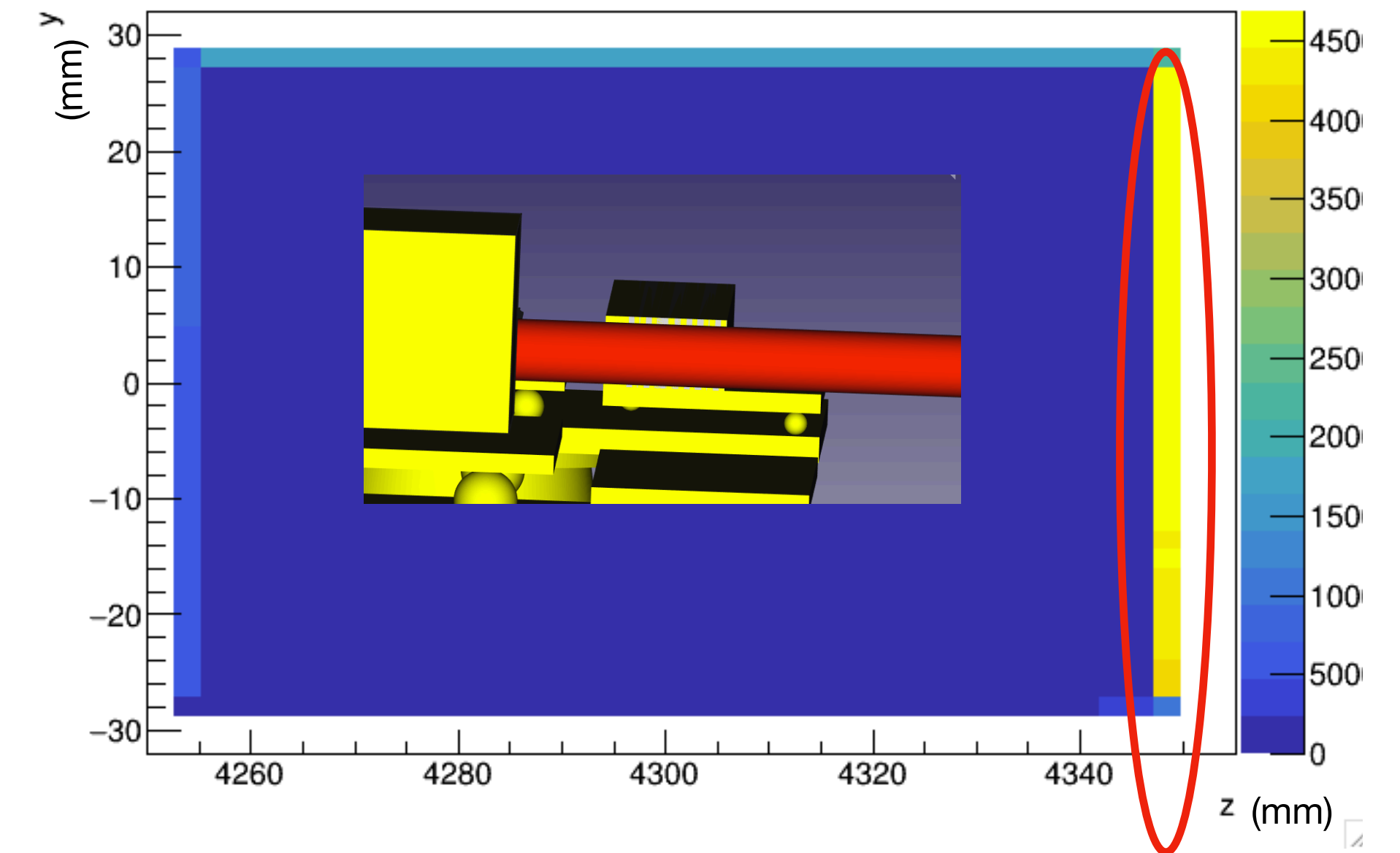
E {detid==2000}

elaser bkg: /nfs/dust/luxe/group/MCProduction/Background/elaser/29102020_lx86a1/

y:z {detid==2000}

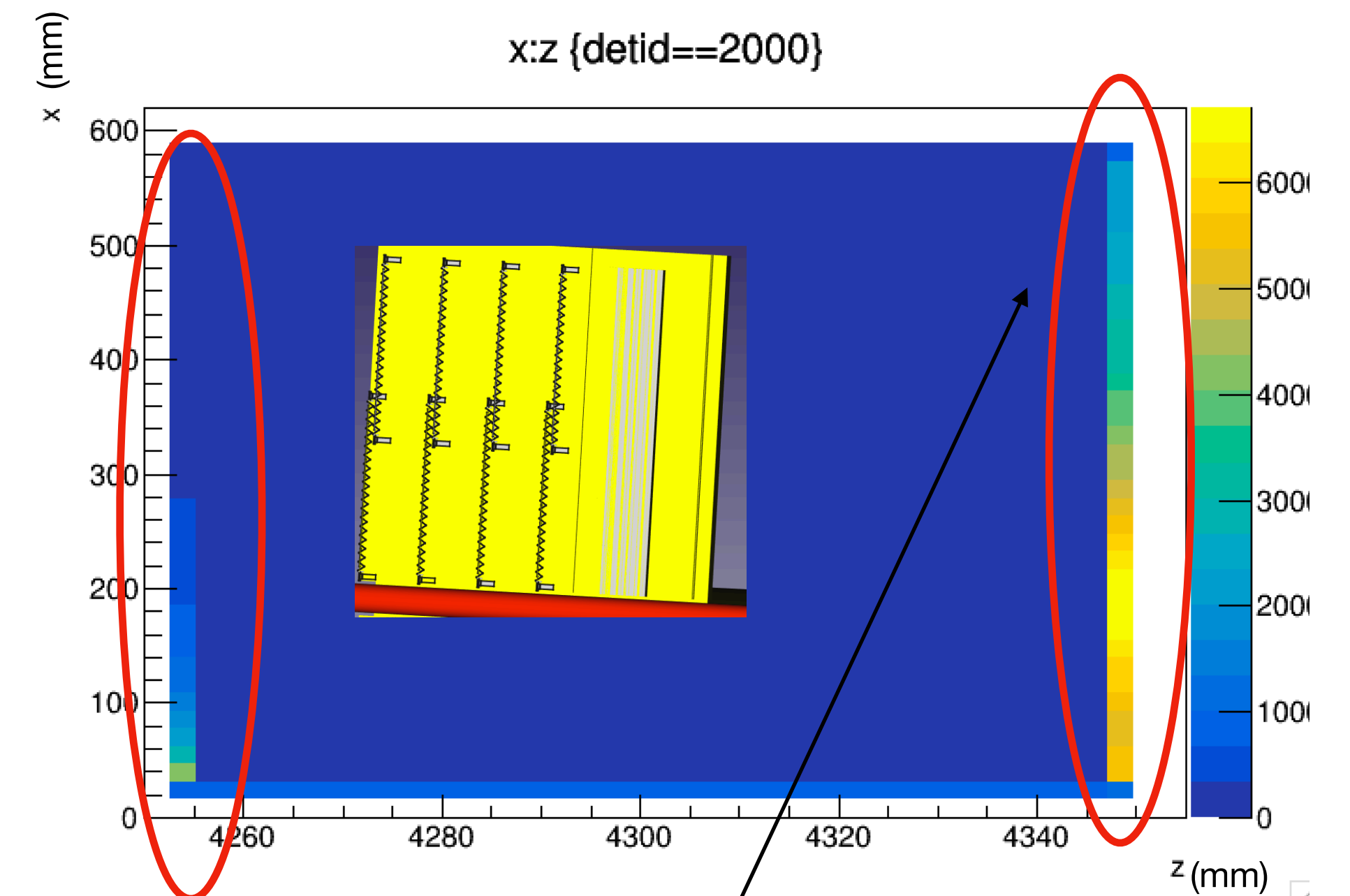


Tracks in the calo volume



Most bkg are on the top side of calorimeter

(*View from HICS e-dump looking to IP)



And essentially on the back side