

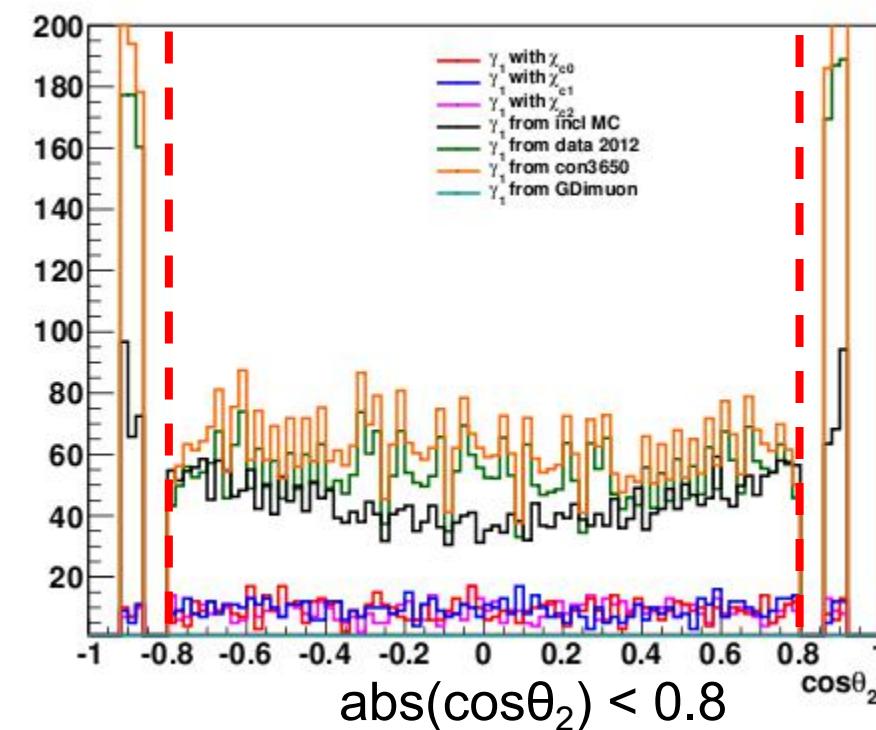
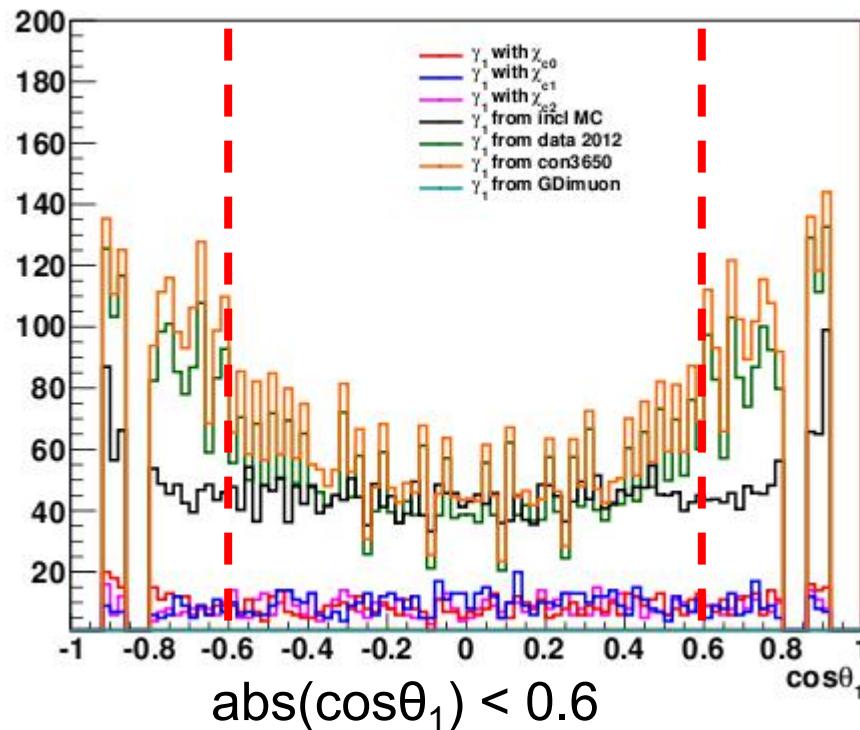
Weekly Report

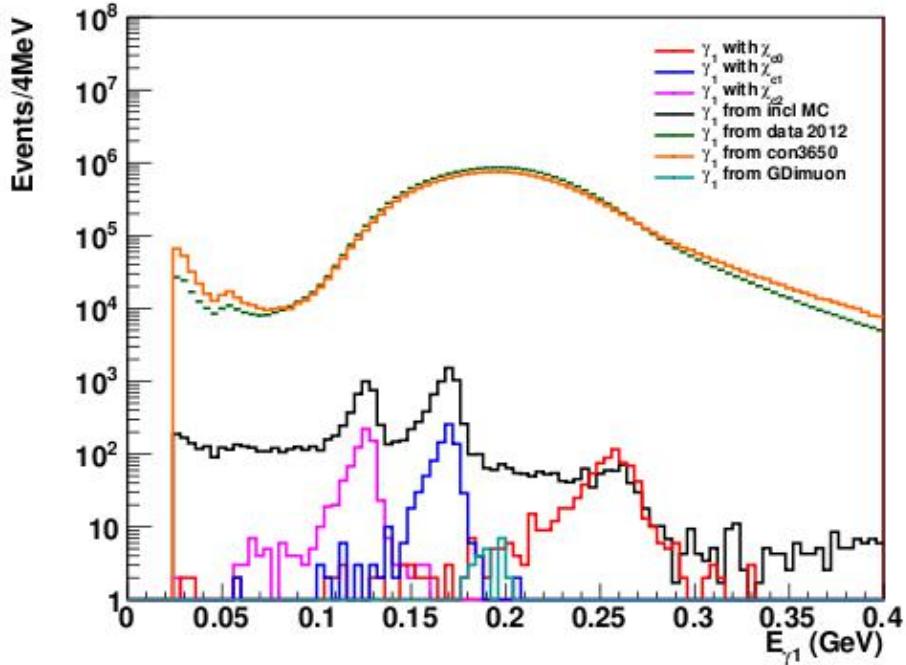
XIAO Suyu from IHEP
20180706

Cut on $\cos\theta_1$ and θ_2

- $N_\gamma = 2$ & tag γ_1 veto cosmic rays
- veto γ_1 from π^0 , η & χ_{cJ} constraint on $\theta_{\gamma\gamma}$

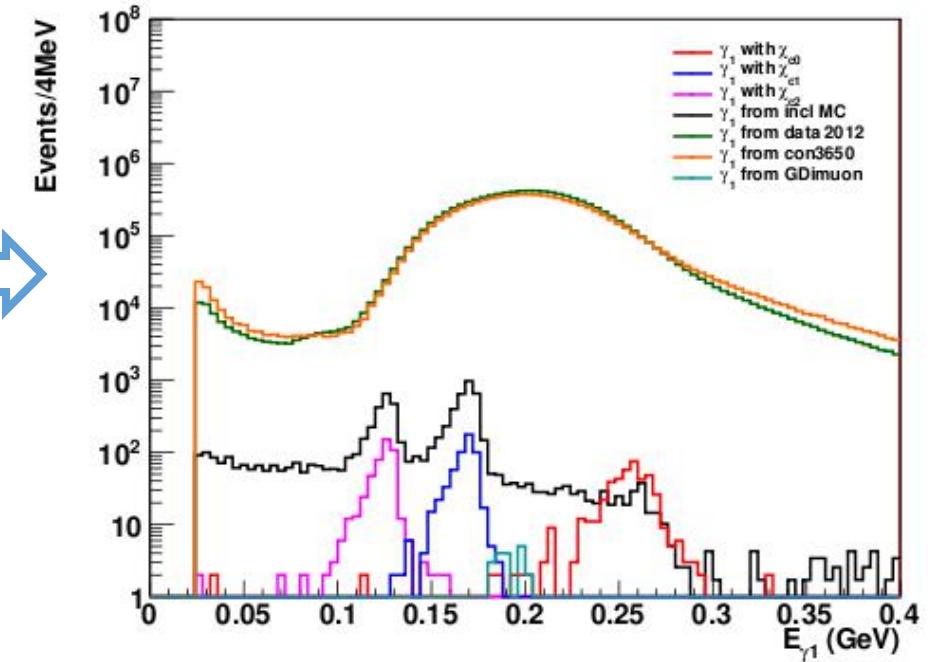
Distribution of $\cos\theta_1$ and θ_2 :

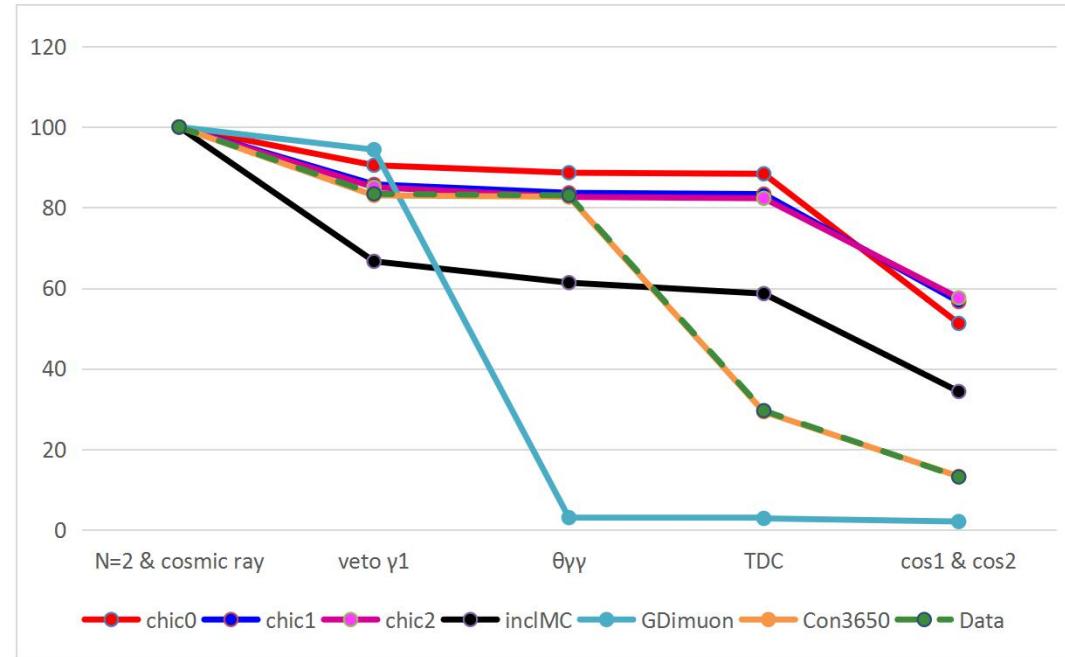
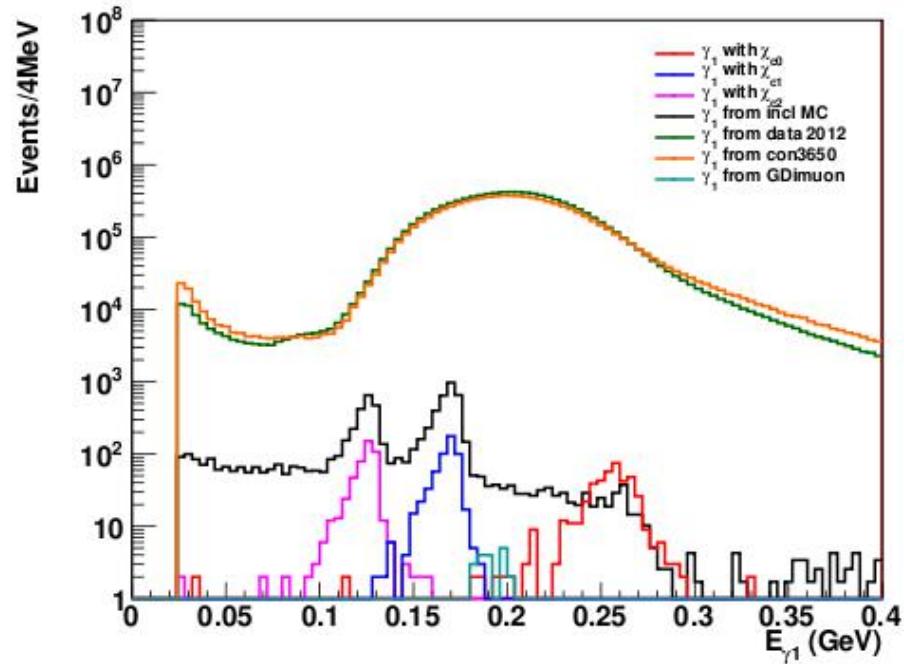




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$\text{abs}(\cos\theta_1) < 0.6$
 $\text{abs}(\cos\theta_2) < 0.8$



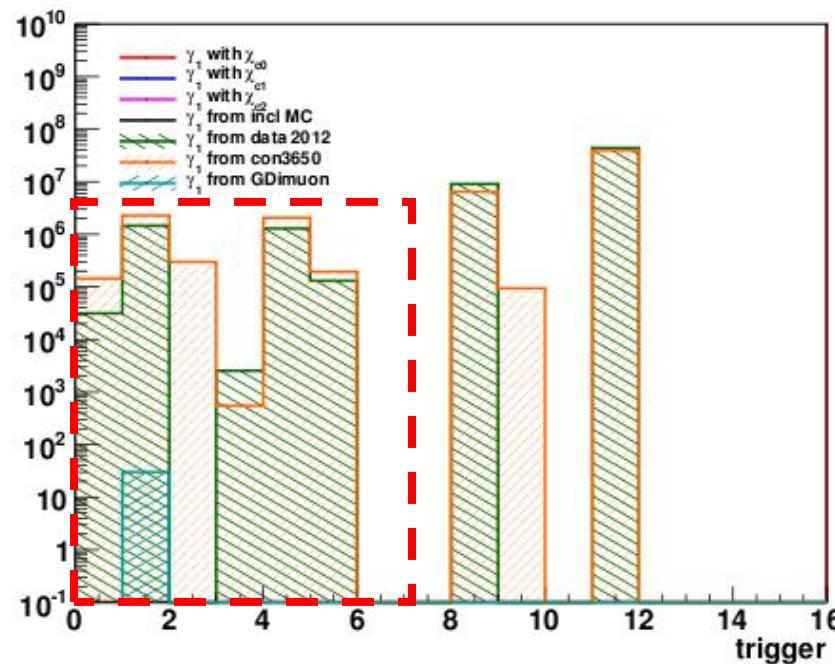


Item	chic0		chic1		chic2		incl MC		GDimuon		con3650		data	
Original	6000	%	6000	%	6000	%	400M	%%	20764	%	571M	%	341M	%
Pre-selection	905	15.08	974	16.23	917	15.28	54474	1.362	2064	9.940	-	-	-	-
N=2 & cosmic ray	905	15.08	974	16.23	917	15.28	27237	0.6809	1032	4.970	8444698	1.479	72.813M	21.35
veto γ_1	819	13.65	835	13.92	780	13.00	18158	0.4540	974	4.691	7013749	1.228	60.724M	17.81
$\theta_{\gamma\gamma}$	802	13.37	815	13.58	758	12.63	16718	0.4180	32	0.1541	6983070	1.223	60.446M	17.73
TDC	800	13.33	812	13.53	755	12.58	15978	0.3995	30	0.1445	2478206	0.4340	21.573M	6.326
cos1 & cos2	464	7.733	552	9.200	485	8.083	9365	0.2341	22	0.1060	1126382	0.1973	9603106	2.816

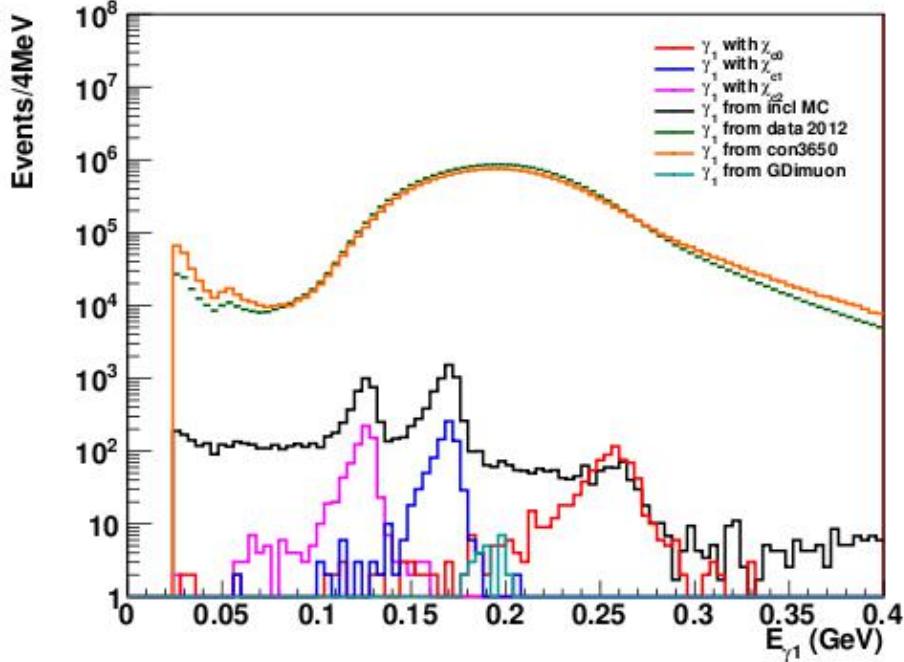
Cut on trigger channel

- $N_\gamma = 2$ & tag γ_1 veto cosmic rays
- veto γ_1 from π^0 , η & X_{cJ} constraint on $\theta_{\gamma\gamma}$

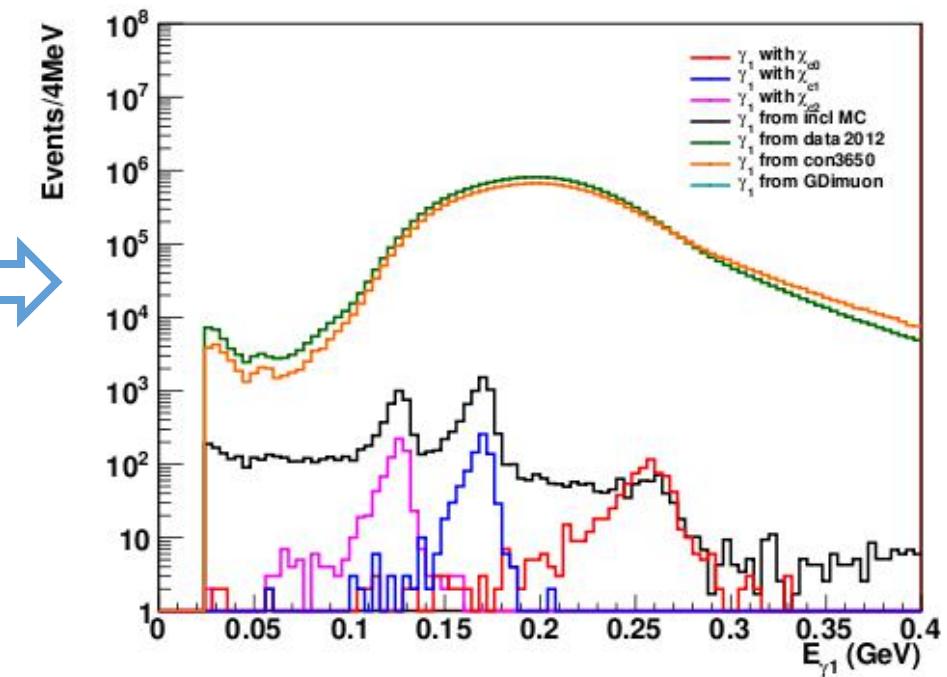
Distribution of trigger channel:

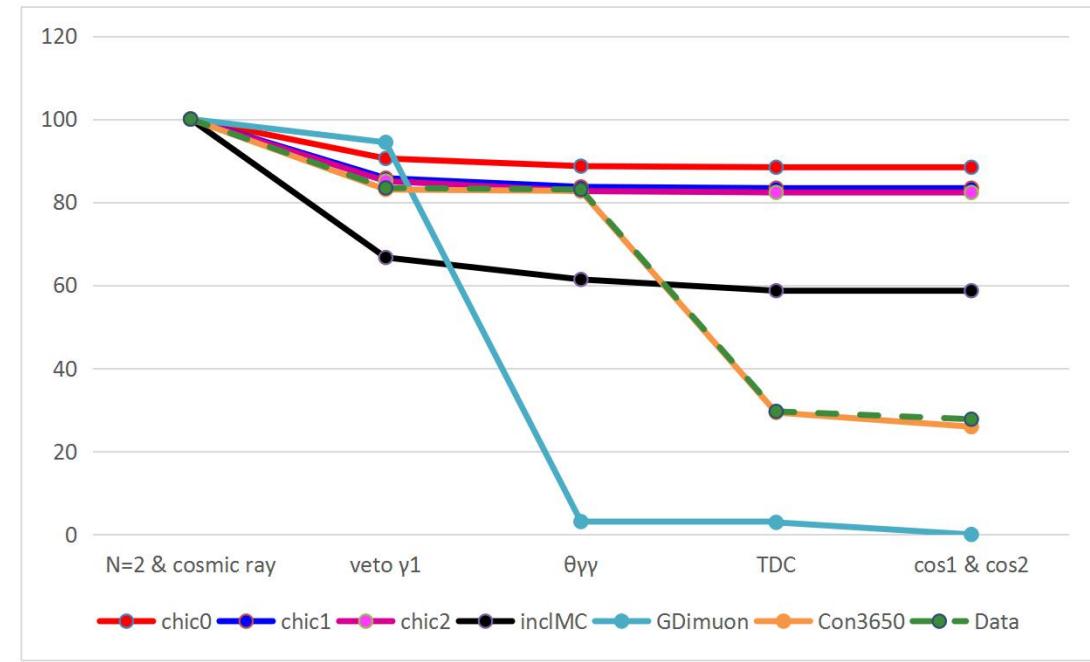
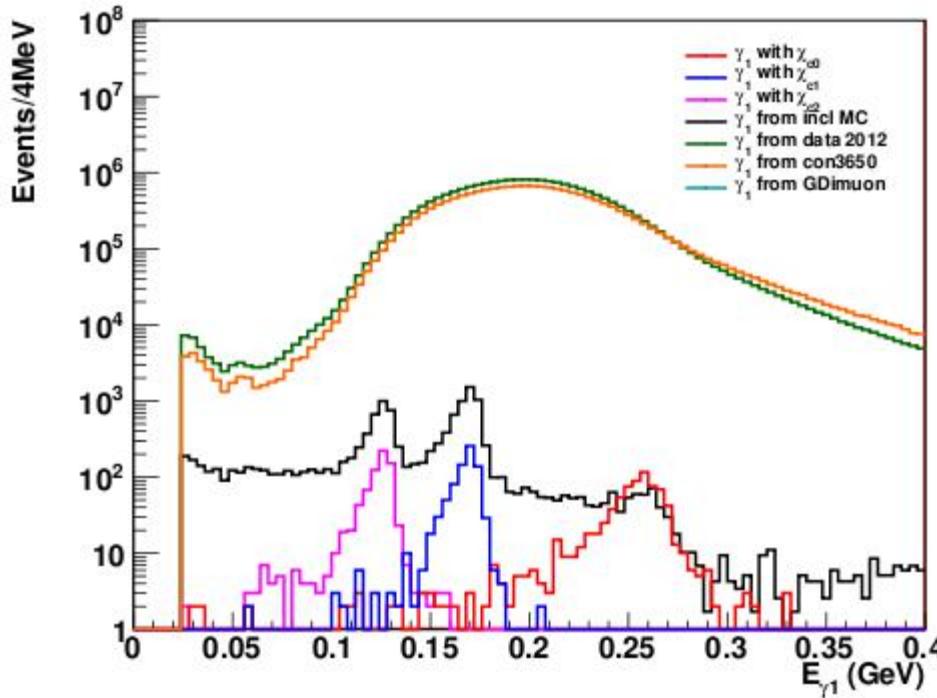


veto top several channels
to avoid MDC influence

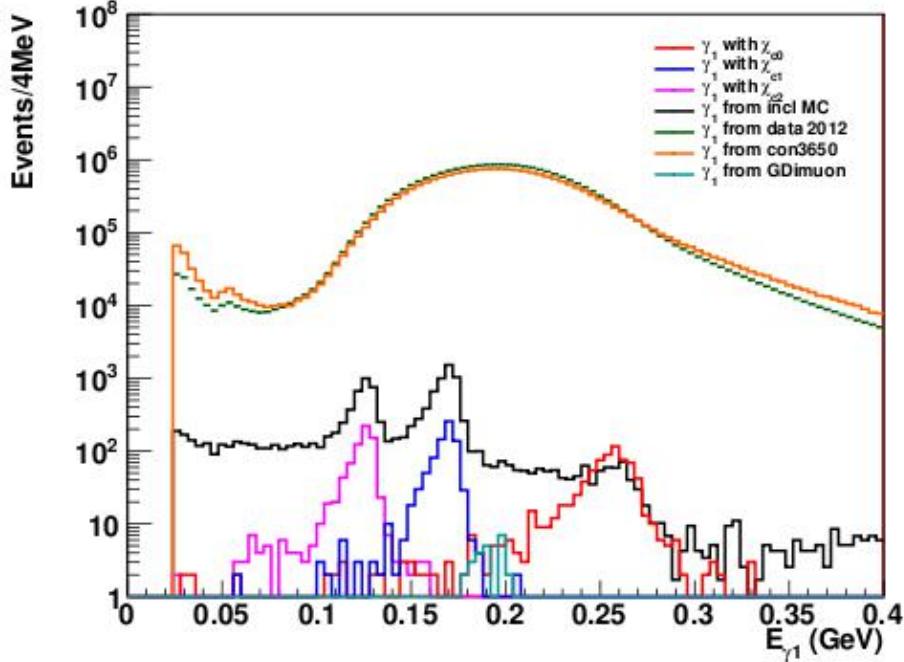


CH09 & CH12



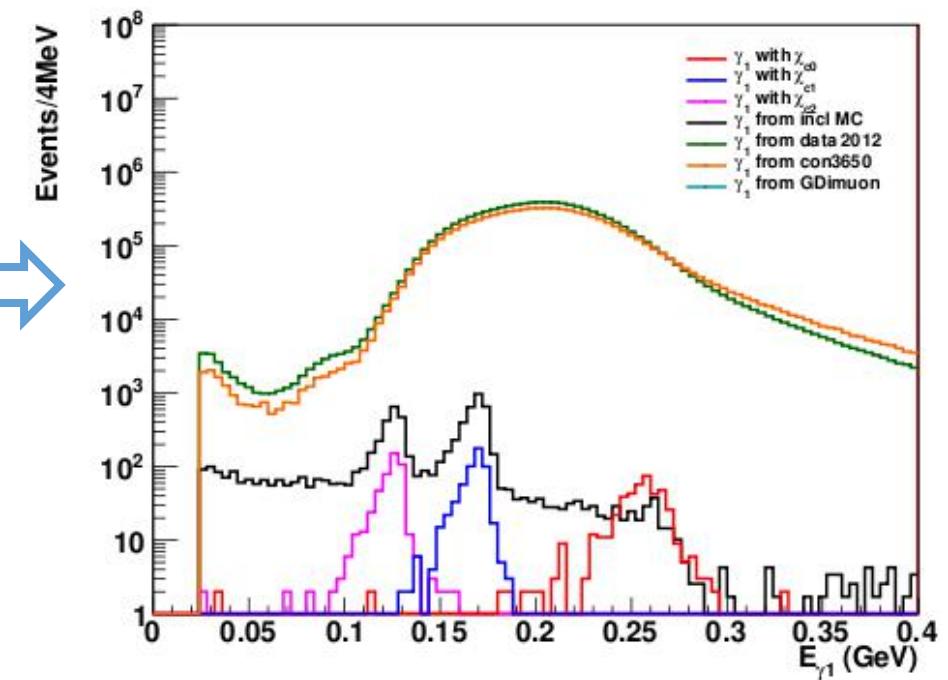


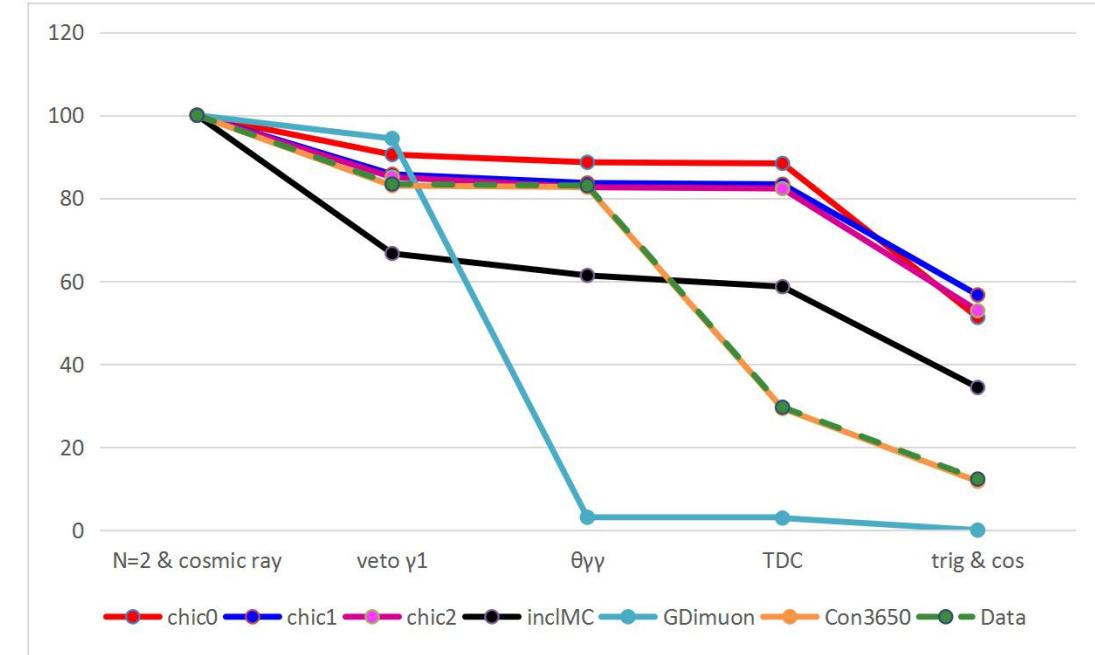
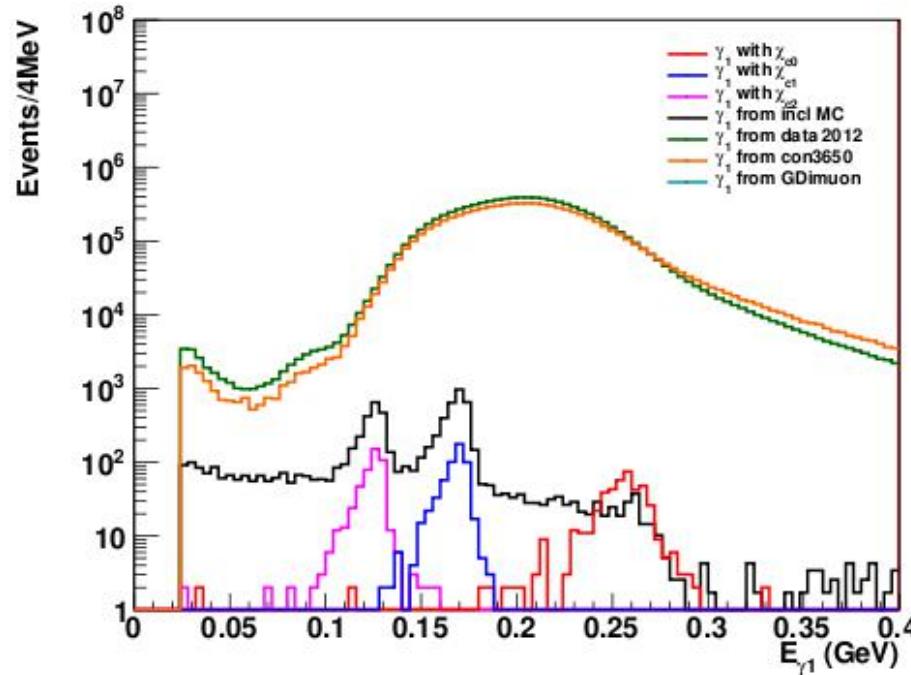
Item	chic0	chic1	chic2	incl MC	GDimuon	con3650	data							
Original	6000	%	6000	%	6000	%	400M	%%	20764	%	571M	%	341M	%
Pre-selection	905	15.08	974	16.23	917	15.28	54474	1.362	2064	9.940	-	-	-	-
N=2 & cosmic ray	905	15.08	974	16.23	917	15.28	27237	0.6809	1032	4.970	8444698	1.479	72.813M	21.35
veto γ_1	819	13.65	835	13.92	780	13.00	18158	0.4540	974	4.691	7013749	1.228	60.724M	17.81
$\theta_{\gamma\gamma}$	802	13.37	815	13.58	758	12.63	16718	0.4180	32	0.1541	6983070	1.223	60.446M	17.73
TDC	800	13.33	812	13.53	755	12.58	15978	0.3995	30	0.1445	2478206	0.4340	21.573M	6.326
CH09 & CH12	800	13.33	812	13.53	755	12.58	15978	0.3995	0	0	2190554	0.3836	20.200M	5.924



$\text{abs}(\cos\theta_1) < 0.6$
 $\text{abs}(\cos\theta_2) < 0.8$

CH09 & CH12





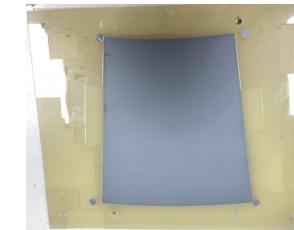
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TDC	800	13.33	812	13.53	755	12.58	15978	0.3995	30	0.1445	2478206	0.4340	21.573M	6.326
trig & cos	464	7.733	552	9.200	485	8.083	9365	0.2341	0	0	994268	0.1741	8966923	2.630

DESY --> IHEP shipping:

PACKAGING 1(Peli case box)

Two (10g)s were triggered. No damage to sensor.

Remove triggered (10g)s and replace 1 of them.



PACKAGING 2(solid box in abundant foam cushion)

Two (10g)s & one 15g were triggered. No damage to sensor.

Remove triggered 10g and replace triggered 15g.



PACKAGING 3(bungee cord suspension)

One 10g was triggered. No damage to sensor.

Remove triggered 10g.

