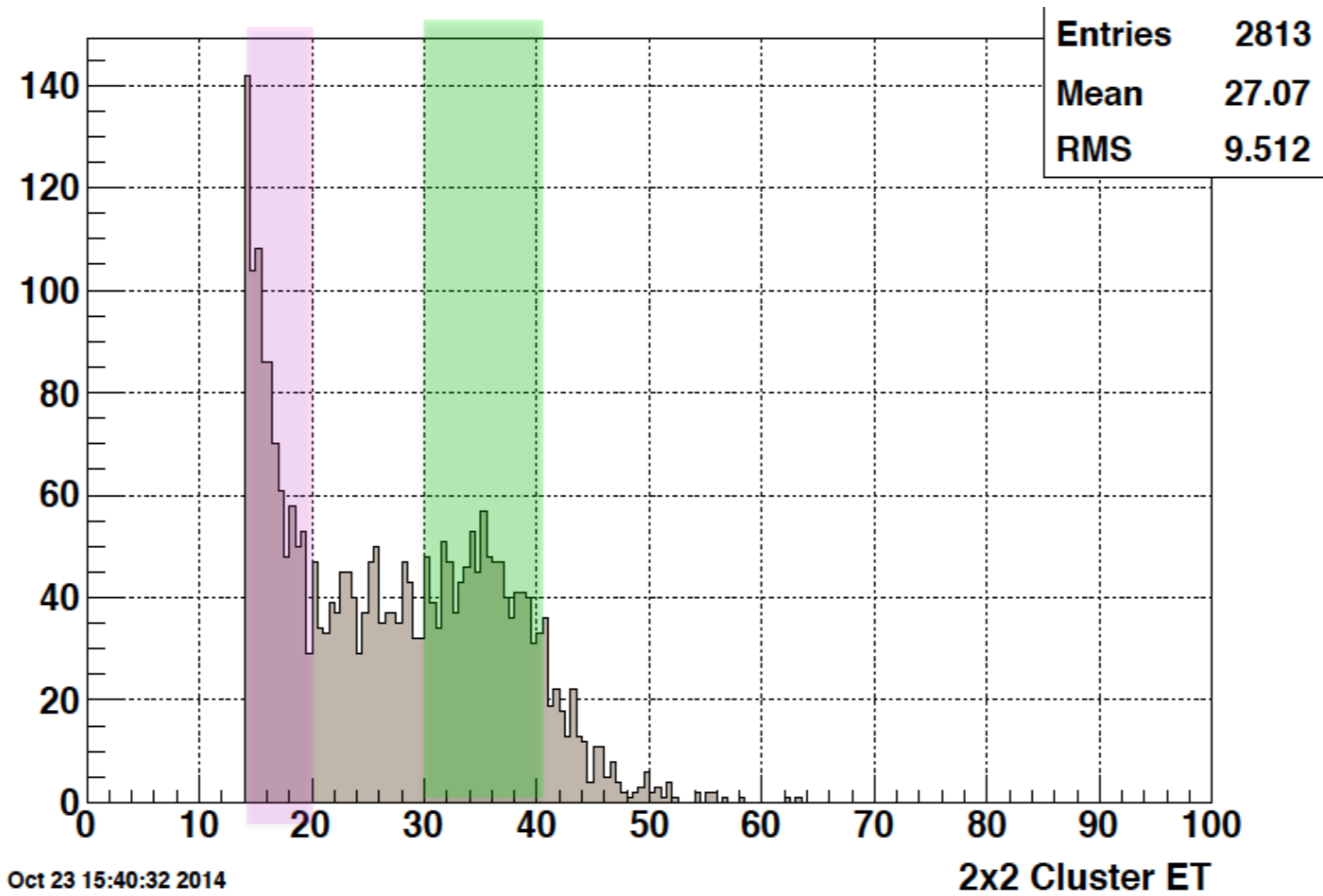




# ET distribution ( signPtbalance > 14 GeV)



ET range (GeV)	set 1: 0.88, 7cm	set 2: 0.92, 7 cm	1-(set2/set1)%
<b>BG: 14-20</b>	<b>942</b>	<b>480</b>	<i>50%</i>
<b>Si: 30-40</b>	<b>904</b>	<b>691</b>	<i>24%</i>
<b>Si/BG</b>	<i>0.95</i>	<i>1.43</i>	

**W+****25 < ET < 50 GeV**

Set 1 : nearCone cut 88%

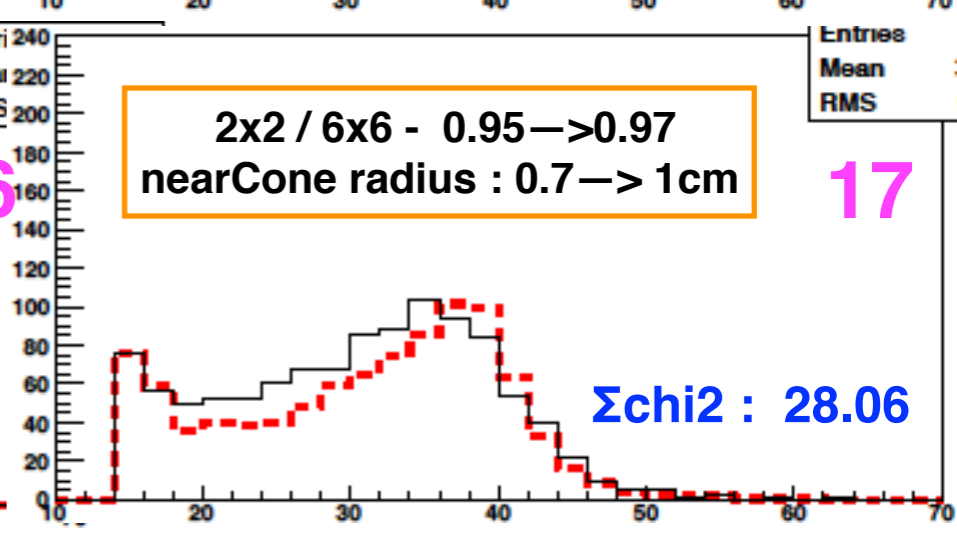
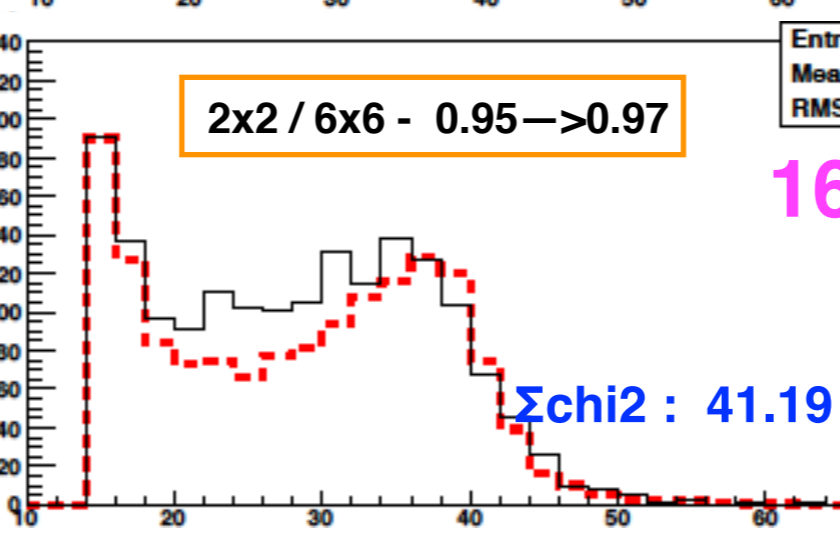
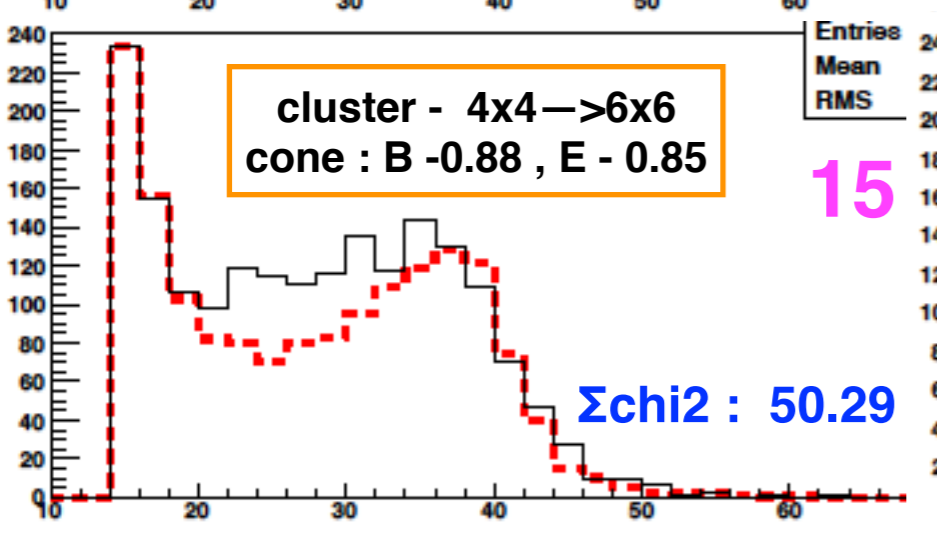
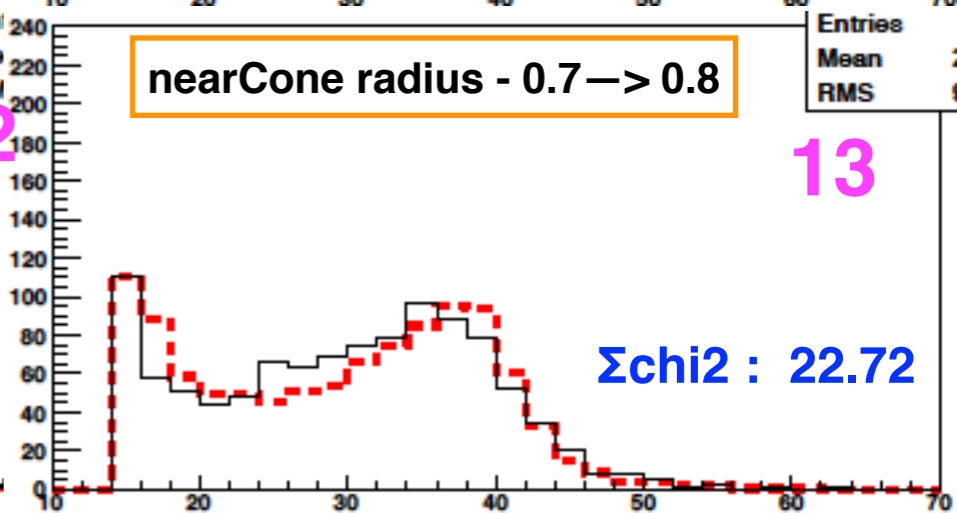
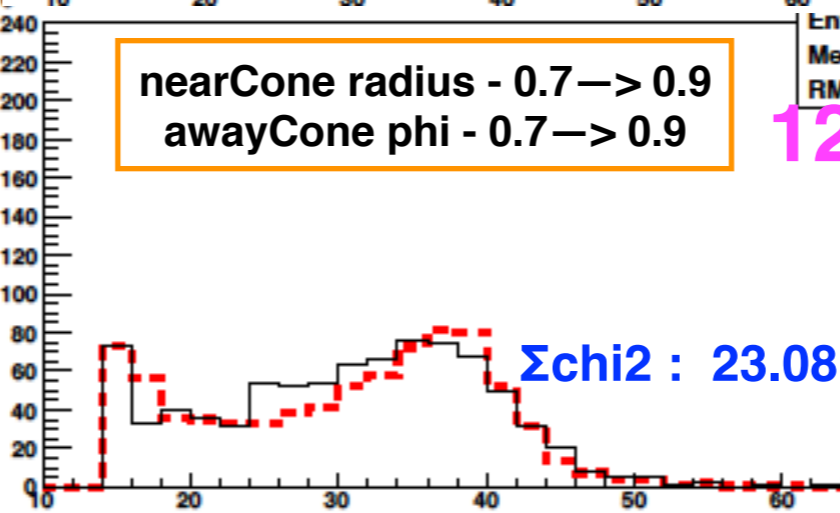
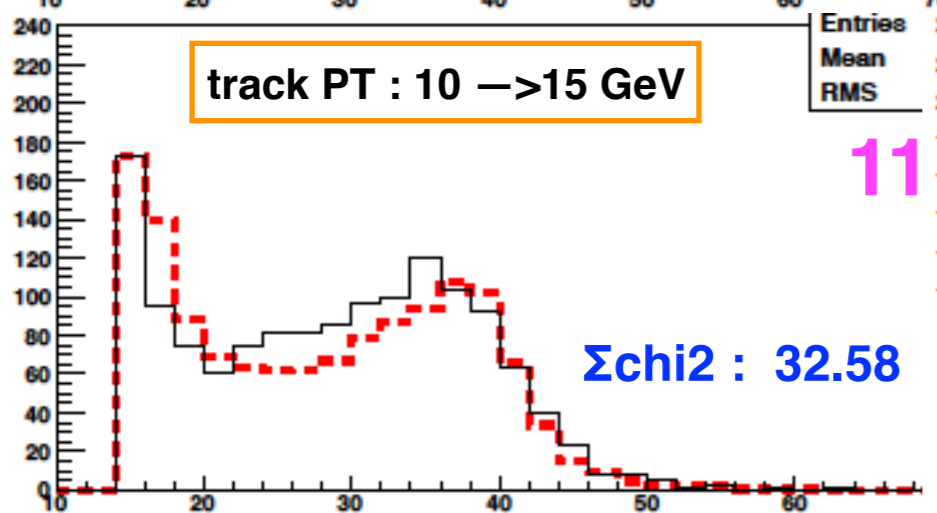
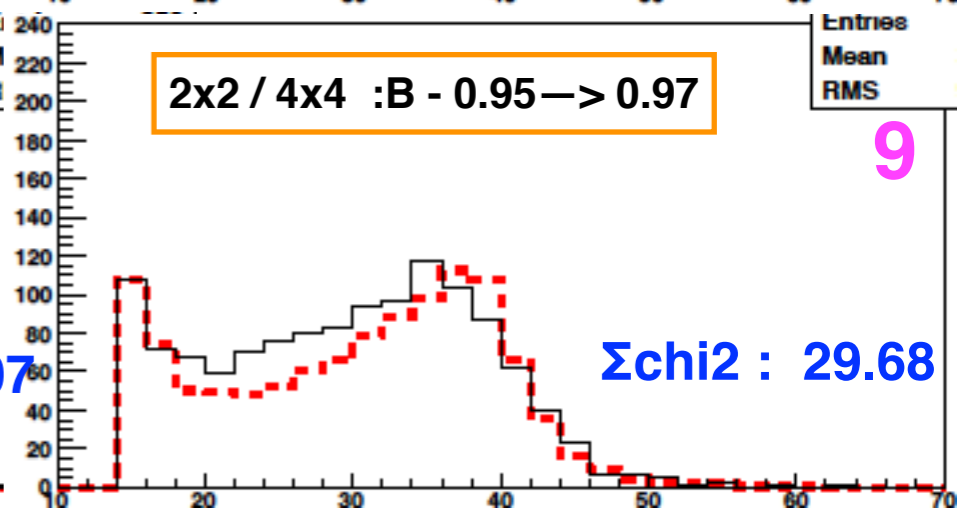
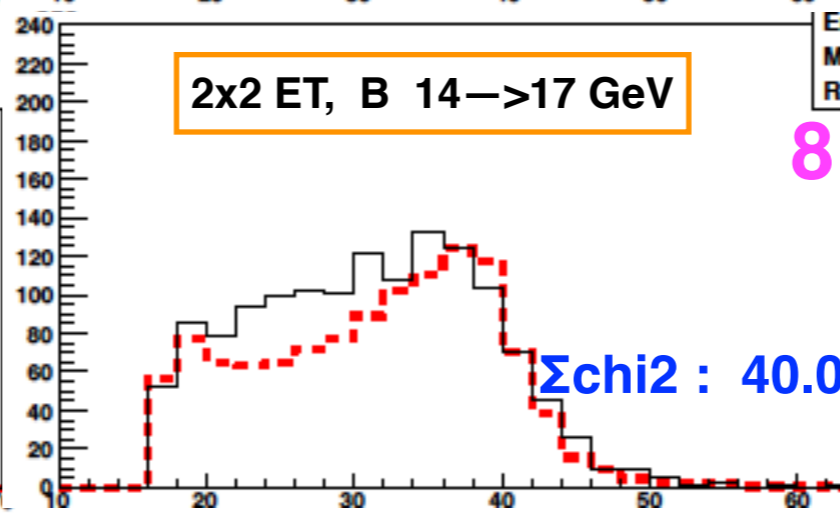
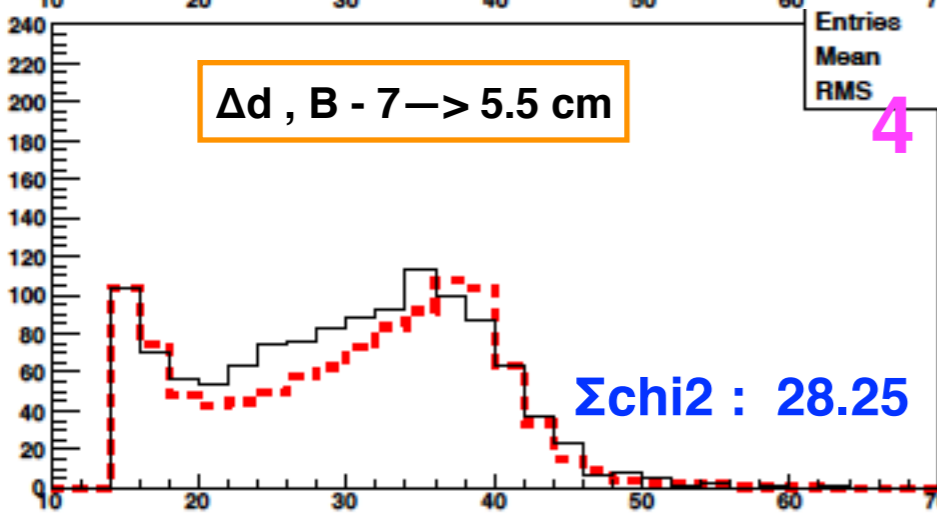
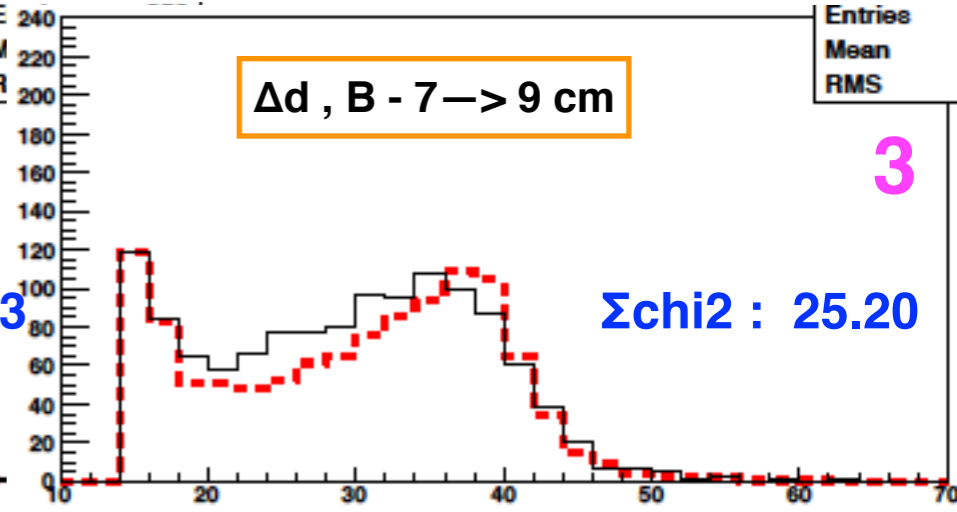
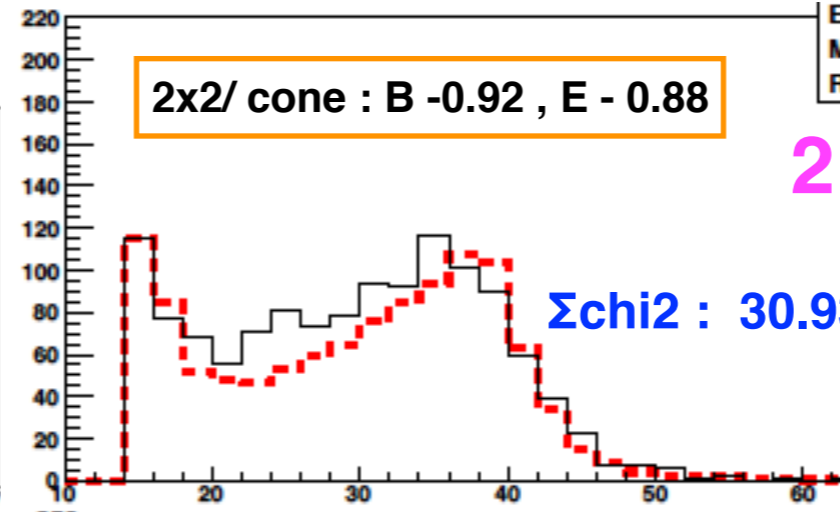
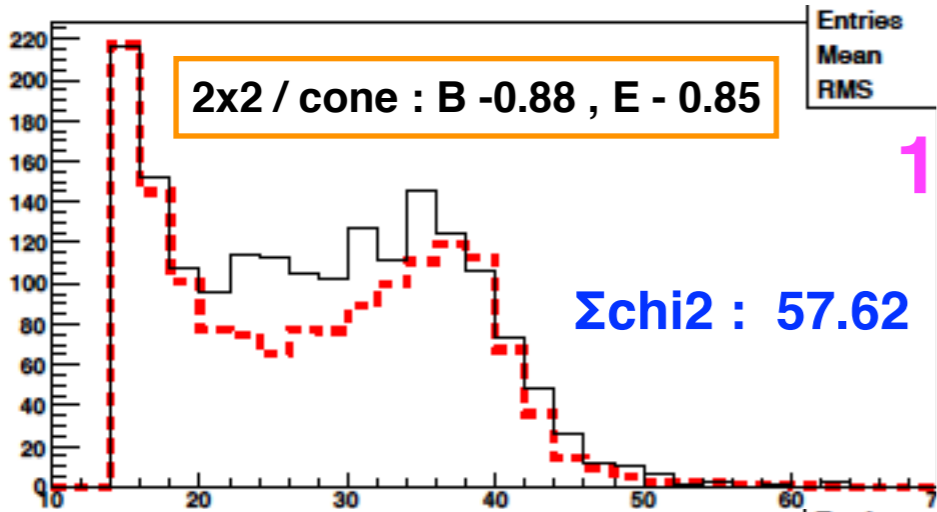
etaBin	rawYield	qcdBkgd	secondEEMC	zeeBkgd	wTauYield	totalBkgd	wYield	wYield/raw	Total BG/raw
1	249	2.47	4	2.12	2.84	8.59	240.41	0.97	0.03
2	298	2.63	4	2.82	6.02	9.45	288.55	0.97	0.03
3	276	2.11	5	3.35	6.94	10.47	265.53	0.96	0.04
4	230	5.37	5	2.56	4.85	12.93	217.07	0.94	0.06
<b>8</b>	<b>1057</b>	<b>11.16</b>	<b>16</b>	<b>9.53</b>	<b>20.65</b>	<b>36.69</b>	<b>1020.31</b>	<b>0.97</b>	<b>0.03</b>
Set 2 : nearCone cut 92%									
1	206	0.69	19	1.86	2.2	21.56	184.44	0.90	0.10
2	230	1.11	6	2.57	4.32	9.68	220.32	0.96	0.04
3	220	0.97	3	2.66	5.86	6.64	213.36	0.97	0.03
4	174	3.9	4	2.13	3.75	10.03	163.97	0.94	0.06
<b>8</b>	<b>834</b>	<b>5.13</b>	<b>30</b>	<b>7.72</b>	<b>16.12</b>	<b>42.85</b>	<b>791.15</b>	<b>0.95</b>	<b>0.05</b>

**W-****25 < ET < 50 GeV**

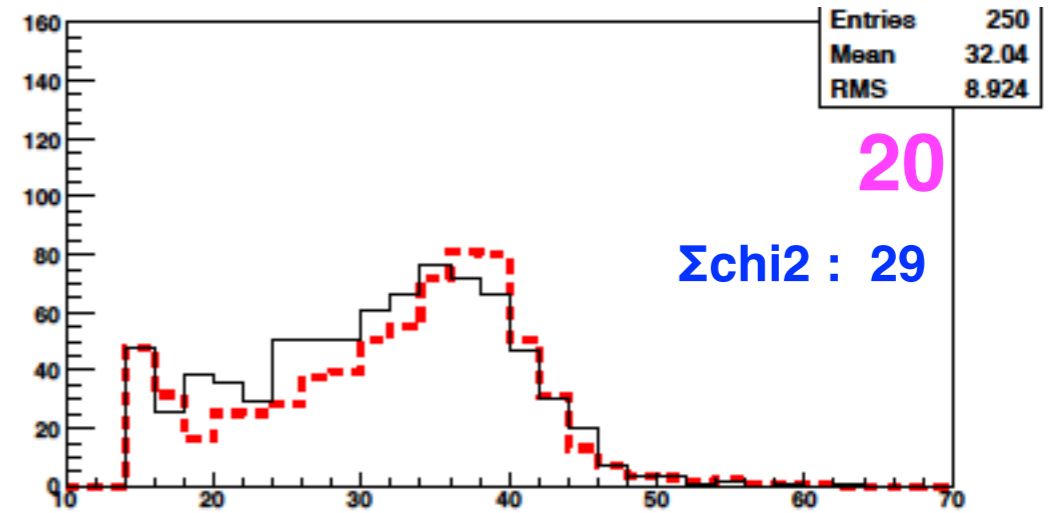
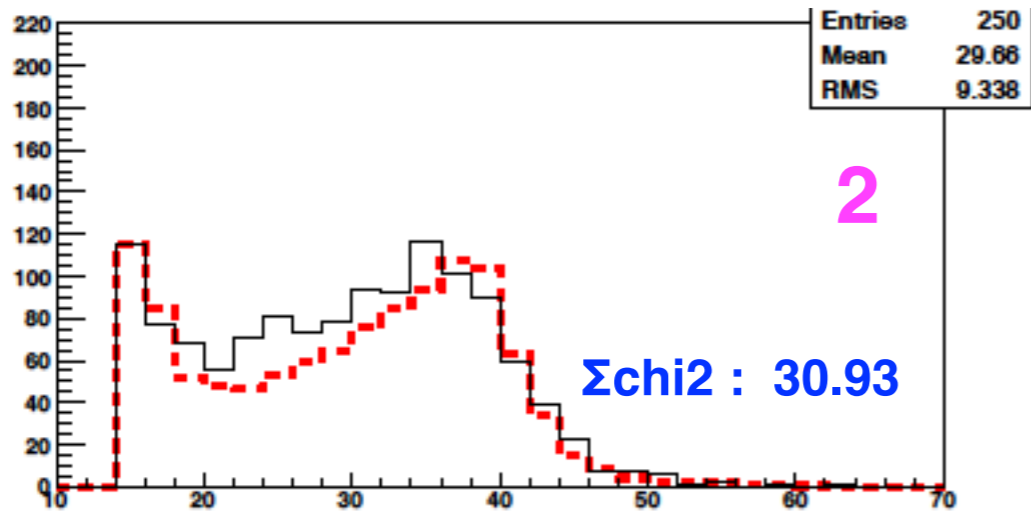
Set 1 : nearCone cut 88%

etaBin	rawYield	qcdBkgd	secondEEMC	zeeBkgd	wTauYield	totalBkgd	wYield	wYield/raw	Total BG/raw
1	77	1.29	9	1.68	1.49	11.96	65.04	0.84	0.16
2	63	4.77	3	2.29	1.58	10.06	52.94	0.84	0.16
3	71	2.22	5	1.85	1.58	9.07	61.93	0.87	0.13
4	110	4.05	5	2.12	0.91	11.17	98.83	0.90	0.10
<b>8</b>	<b>324</b>	<b>9.57</b>	<b>22</b>	<b>5.83</b>	<b>5.65</b>	<b>37.4</b>	<b>286.6</b>	<b>0.88</b>	<b>0.12</b>
Set 2 : nearCone cut 92%									
1	61	2.23	8	1.51	1.26	11.74	49.26	0.81	0.19
2	48	1.27	2	2.31	1.01	5.58	42.42	0.88	0.12
3	57	0.44	2	1.51	1.42	3.95	53.05	0.93	0.07
4	79	2.09	3	1.95	0.67	7.04	71.96	0.91	0.09
<b>8</b>	<b>248</b>	<b>4.64</b>	<b>17</b>	<b>5.32</b>	<b>4.44</b>	<b>26.97</b>	<b>221.03</b>	<b>0.89</b>	<b>0.11</b>

	2x2 ET (Barrel)	2x2 ET (Endcap)	2x2 6X6	2x2 nearCone	$\Delta d$ (track-ET)	Et/Pt	Jet Pt (min)	near Cone radius	jet- Cone- radius	awayCone phi	track PT	$\Delta d$ Endcap
<b>Set 15</b>	14 GeV	14 GeV	0.95	0.92	7 cm	0.5-1.7	3.5 GeV	0.7 rad	0.6 rad	0.7 rad	10 GeV	10 cm
<b>Set 16</b>	14 GeV	14 GeV	<b>0.97</b>	0.92	7 cm	0.5-1.7	3.5 GeV	0.7 rad	0.6 rad	0.7 rad	10 GeV	10 cm
<b>Set 17</b>	14 GeV	14 GeV	0.97	0.92	9 cm	0.5-1.7	3.5 GeV	<b>1.0 rad</b>	0.6 rad	0.7 rad	10 GeV	10 cm
<b>Set 18</b>	14 GeV	14 GeV	0.97	<b>0.94</b>	9 cm	0.5-1.7	3.5 GeV	1.0 rad	0.6 rad	0.7 rad	10 GeV	10 cm

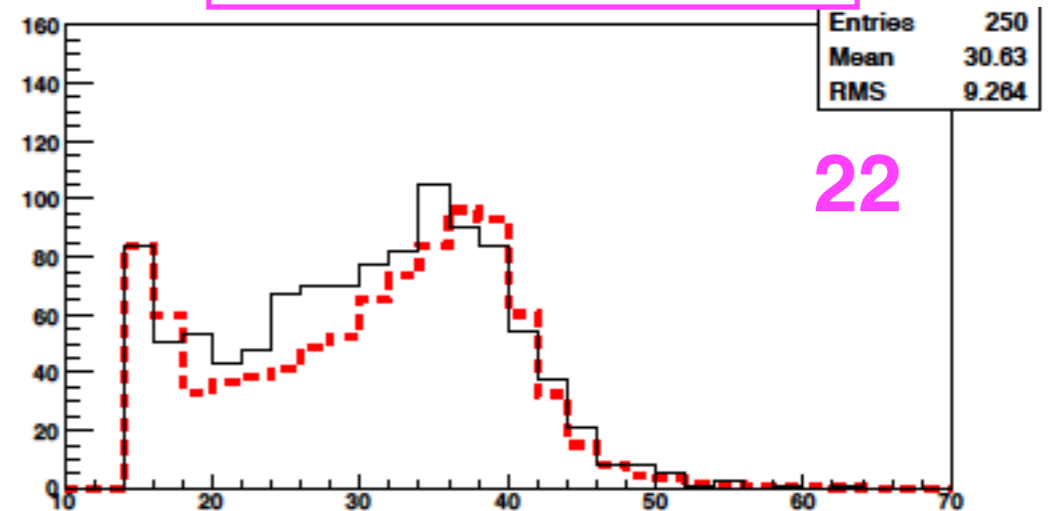
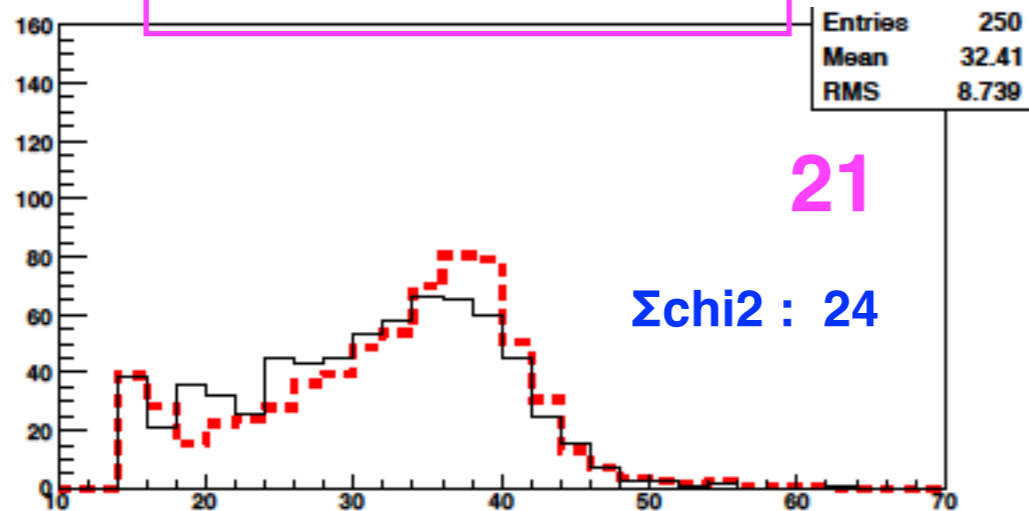


set20 : cluster 6x6 , near cone radius  
 0.8cm , 2x2/6x6 — 0.97 , 2x2/near —  
 0.92, 0.88

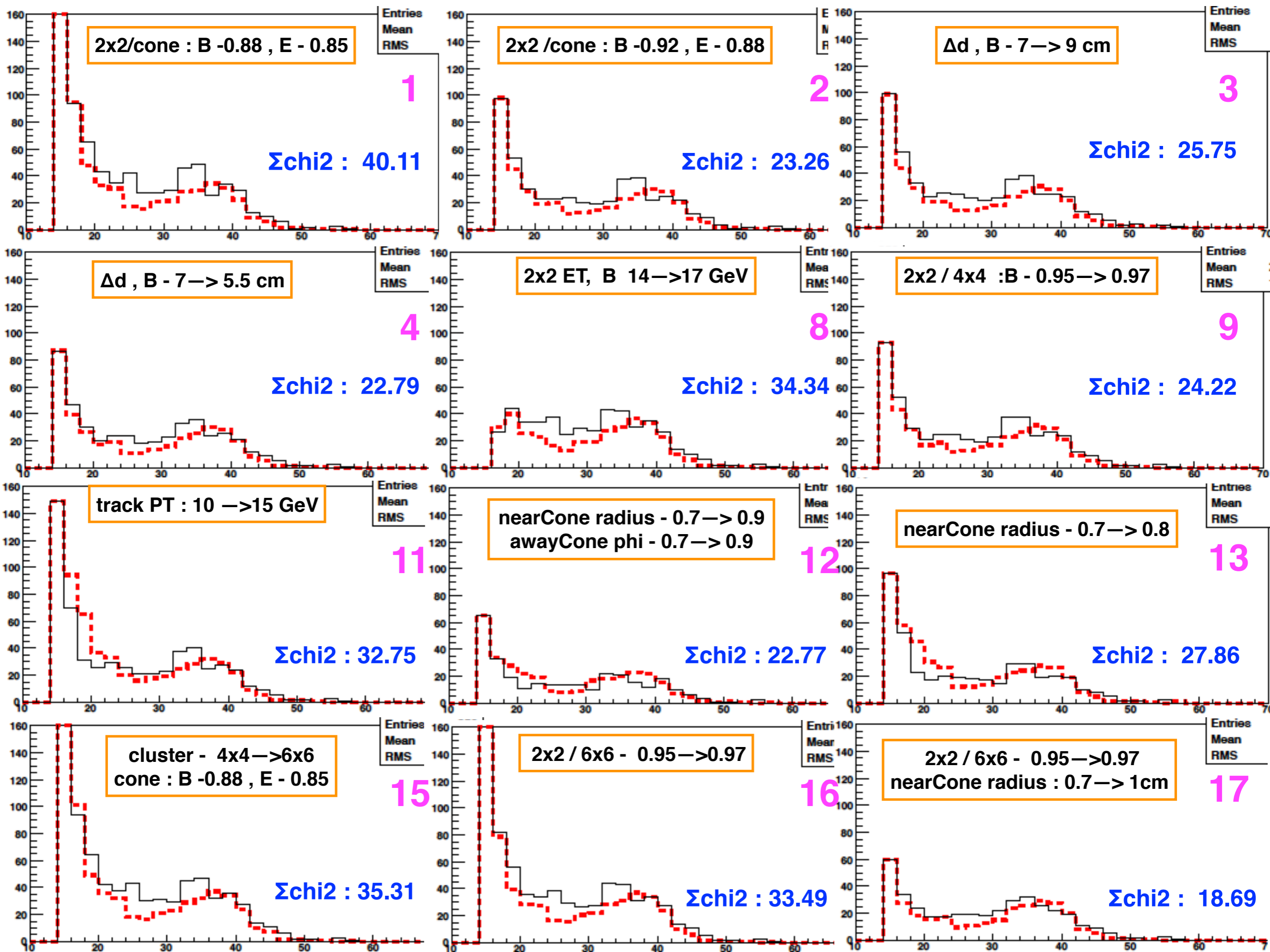


set21- 2x2/nearCone = 0.92  
 nearCone radius = 0.9 cm  
 track pt -15 GeV  
 2x2/6x6 — 0.98

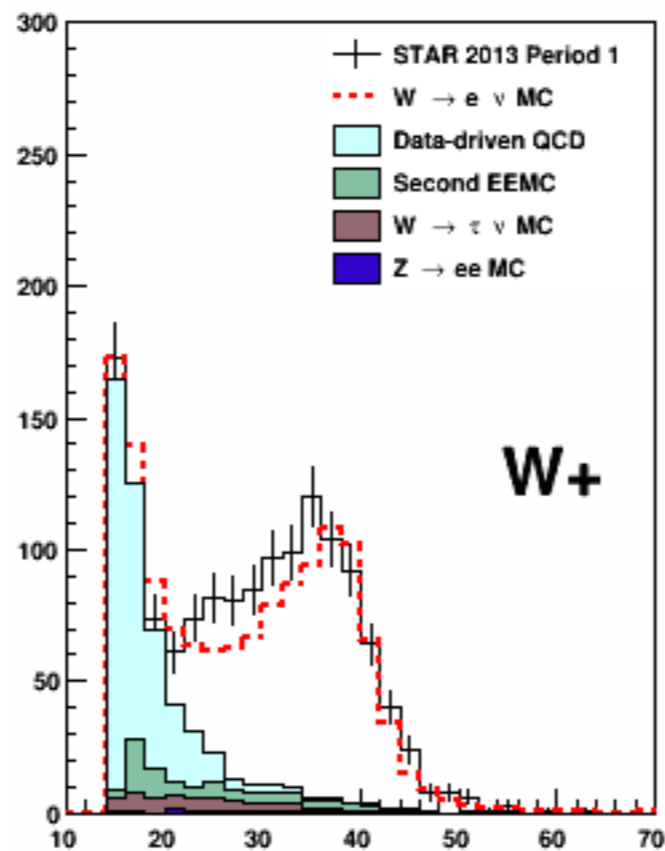
2x2/6x6 == 0.95  
 2x2/nearCone ==0.90  
 track pt== 18  
 cone radius ==0.8



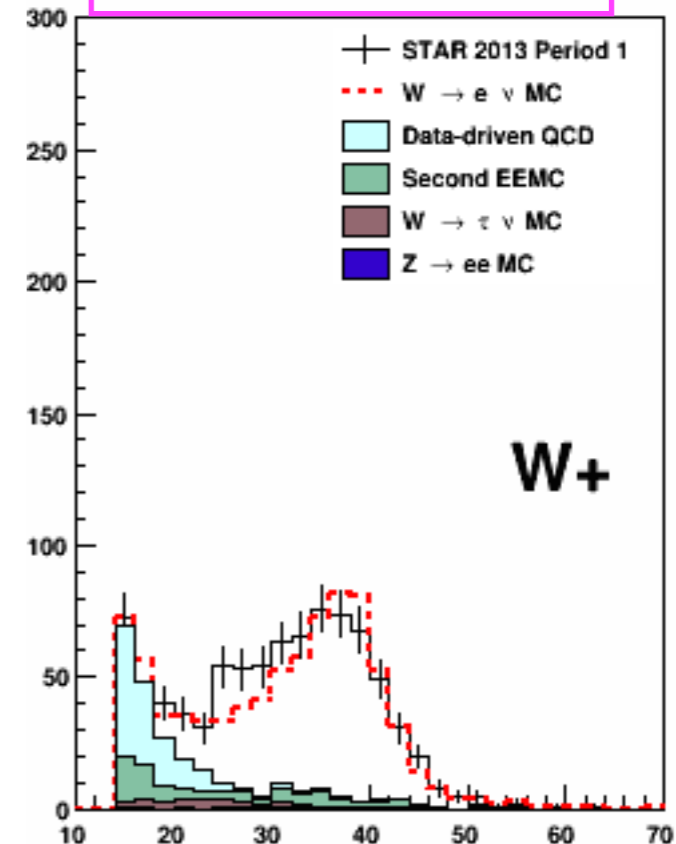




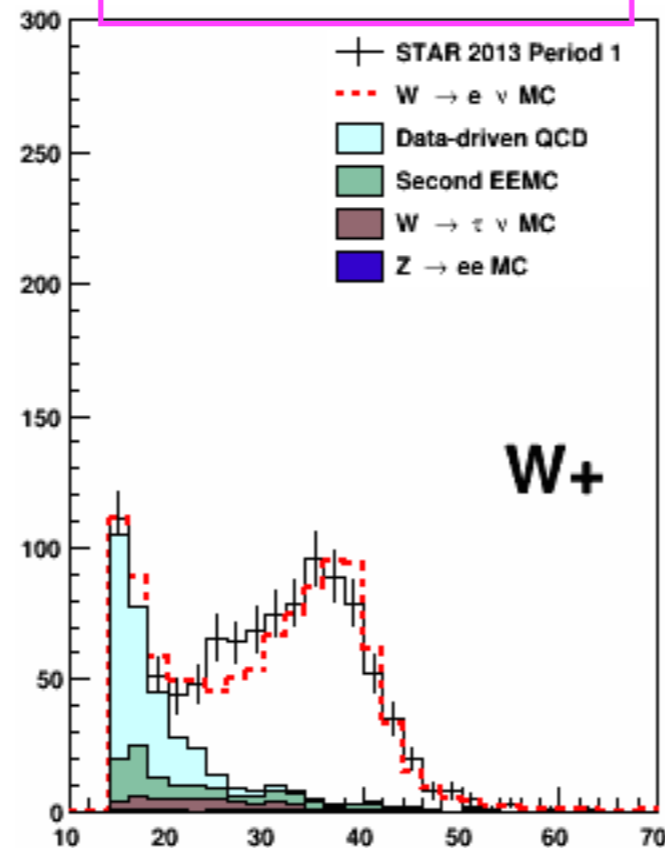
set11-clusterSize-6x6



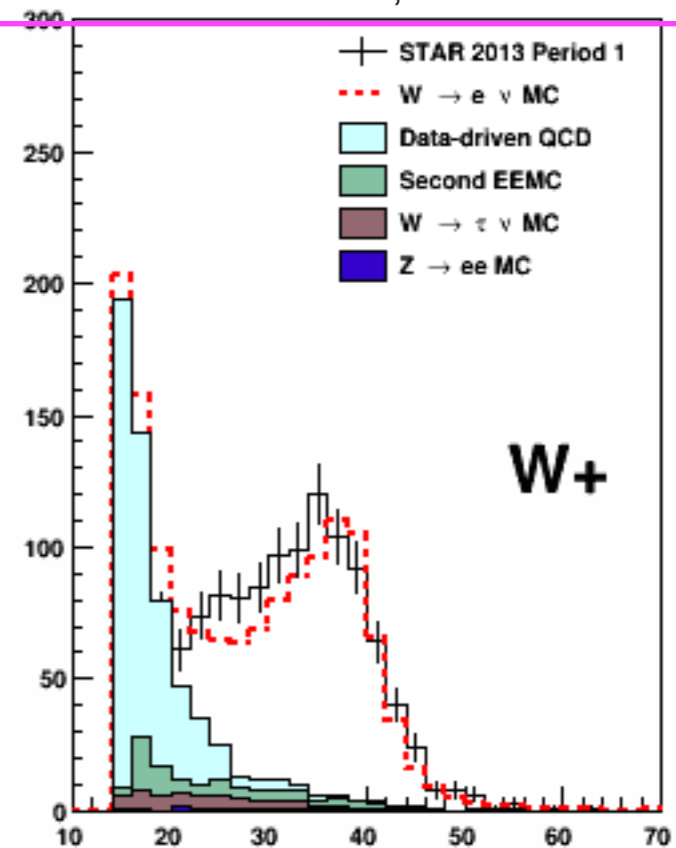
set12-clusterSize-6x6  
2x2/6x6 - 0.97



set13- clusterSize-6x6  
2x2/6x6 - 0.97,  
coneRadius - 1cm



set14- clusterSize-6x6  
2x2/6x6 - 0.97,  
coneRadius - 1cm, coneRatio: 0.94



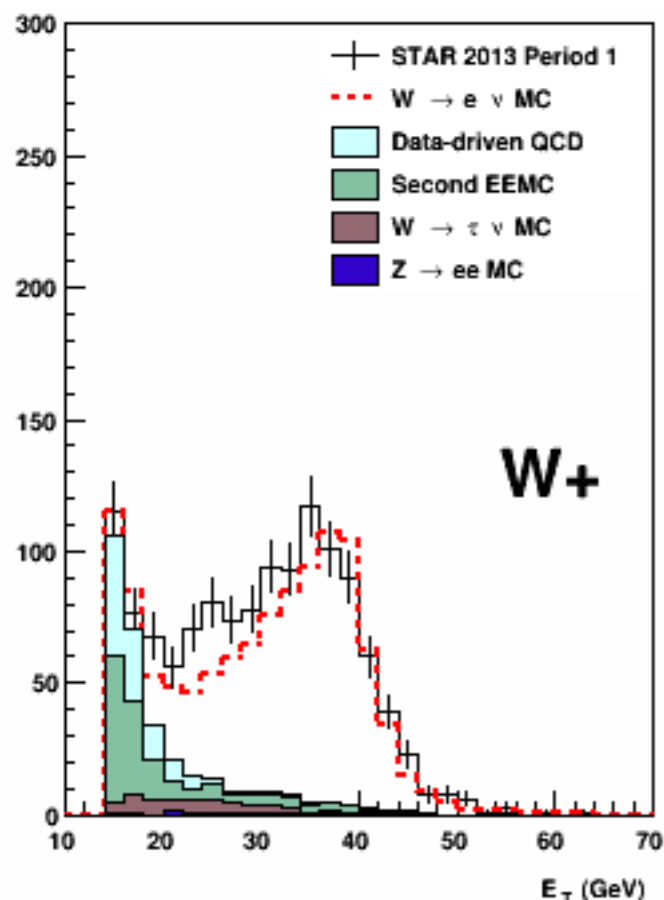
nearCone -B: 0.92 , E: 0.88

clusterSize- 4x4

coneRadius-0.7

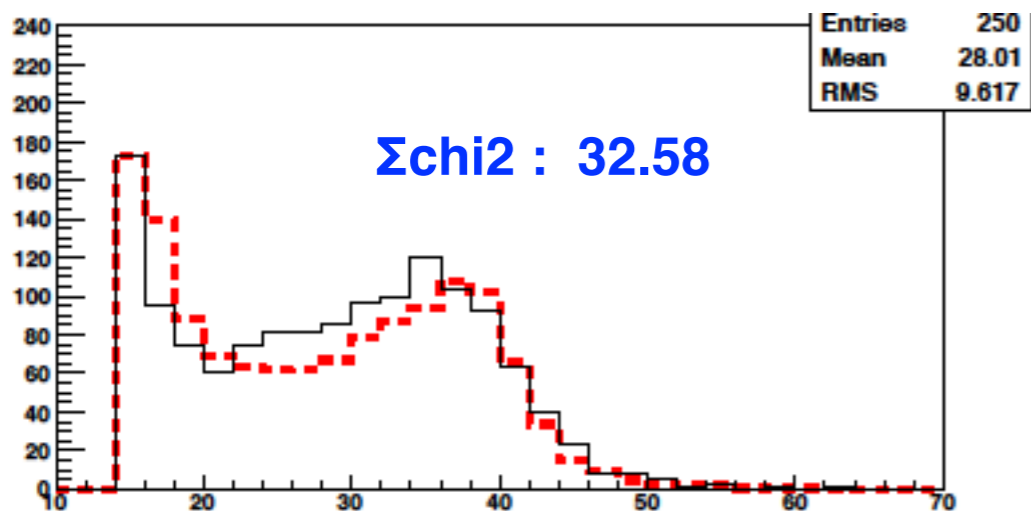
track-cluster - B: 7 cm , E -10 cm

2x2/4x4 - 0.95

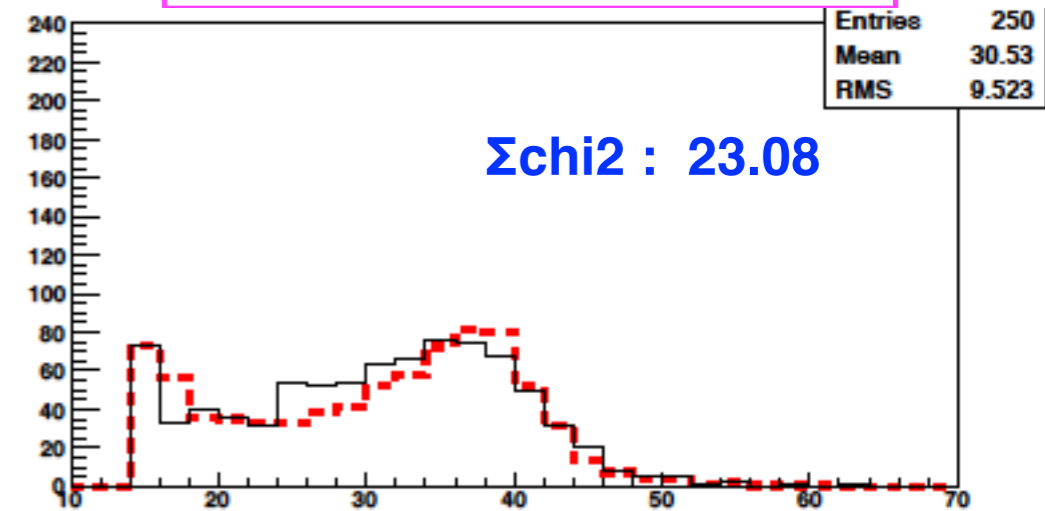




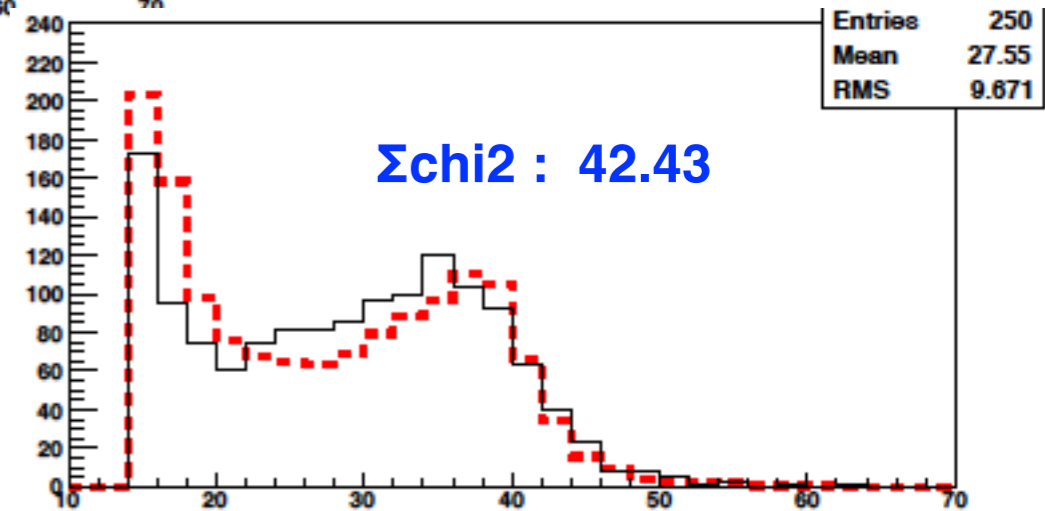
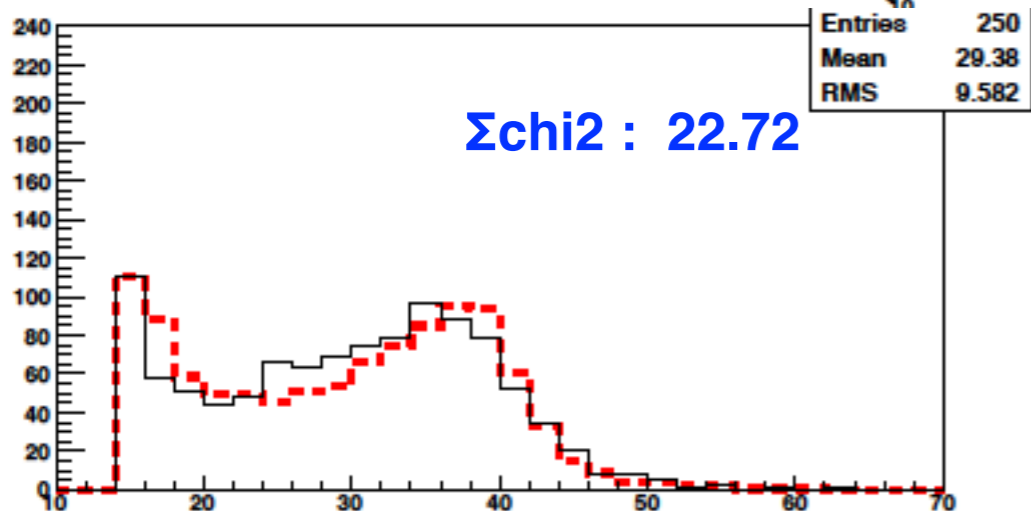
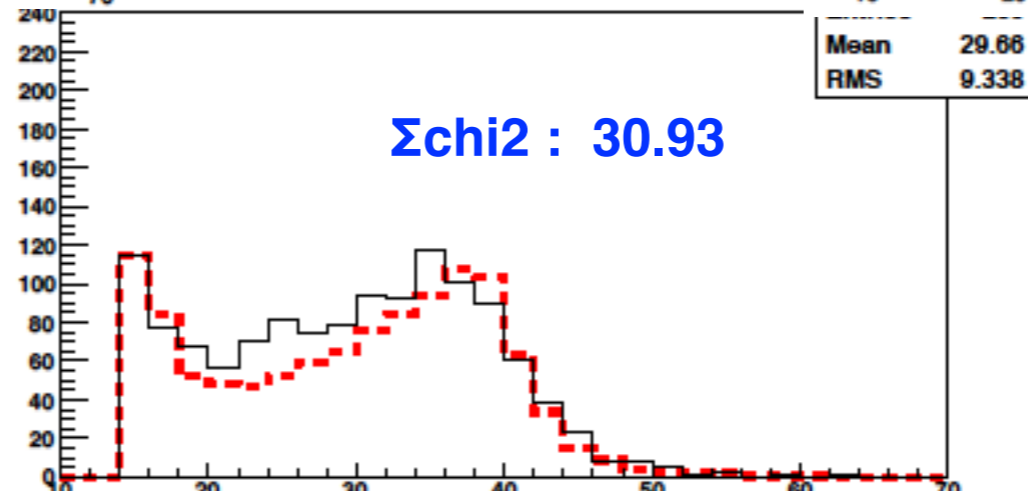
set11- track PT cut 10 → 15 GeV



set12- coneRadius - 0.9 rad  
awayCone phi - 0.9 rad



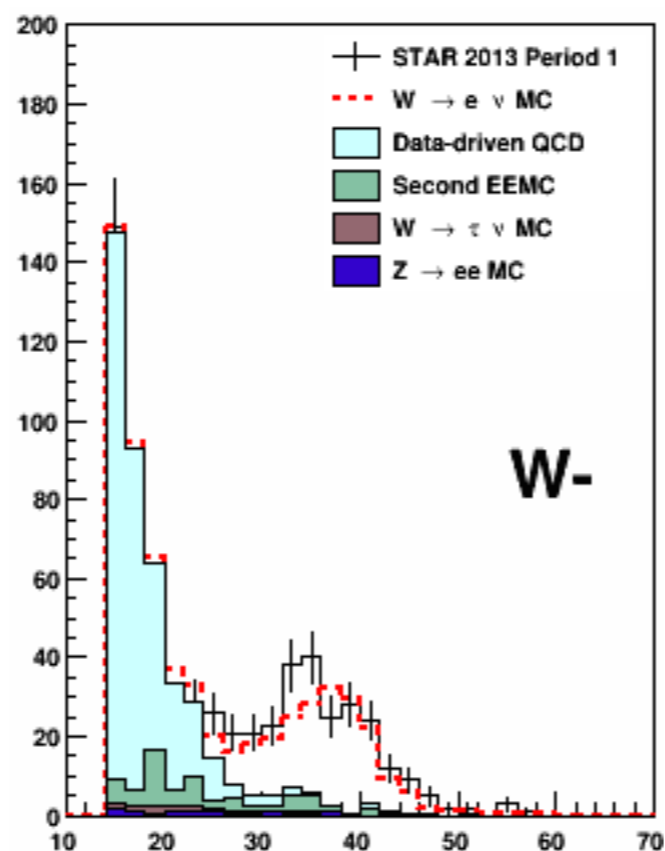
nearCone -B: 0.92 , E: 0.88  
clusterSize- 4x4  
coneRadius- 0.7 rad  
awayCone phi - 0.7 rad  
track-cluster - B: 7 cm , E -10 cm  
2x2/4x4 - 0.95  
track pt - 10 GeV



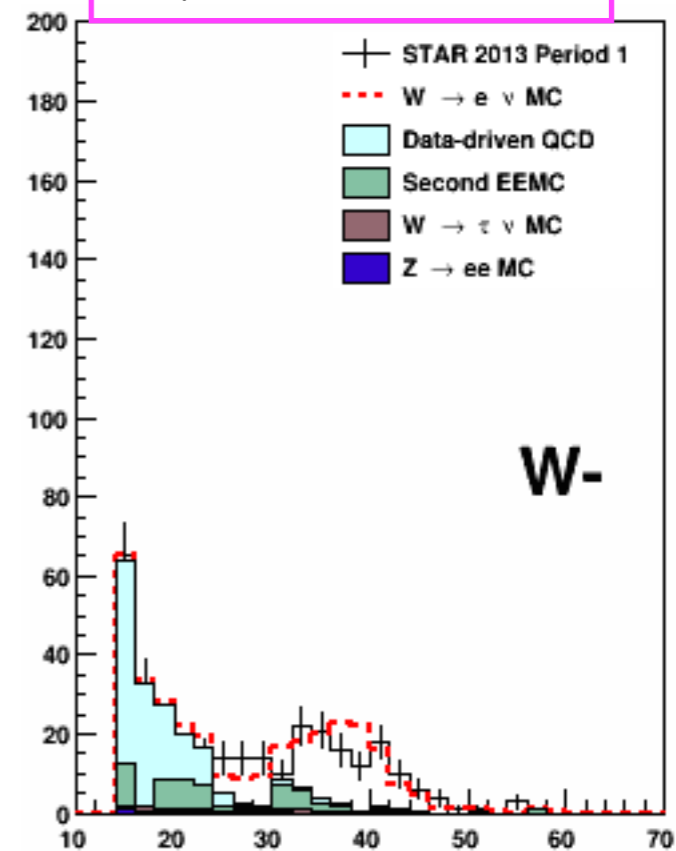
set13- coneRadius - 0.8 rad  
awayCone phi - 0.7 rad

set14- coneRadius - 0.7 rad,  
 $\Delta d$  Endcap - 10cm → 8 cm

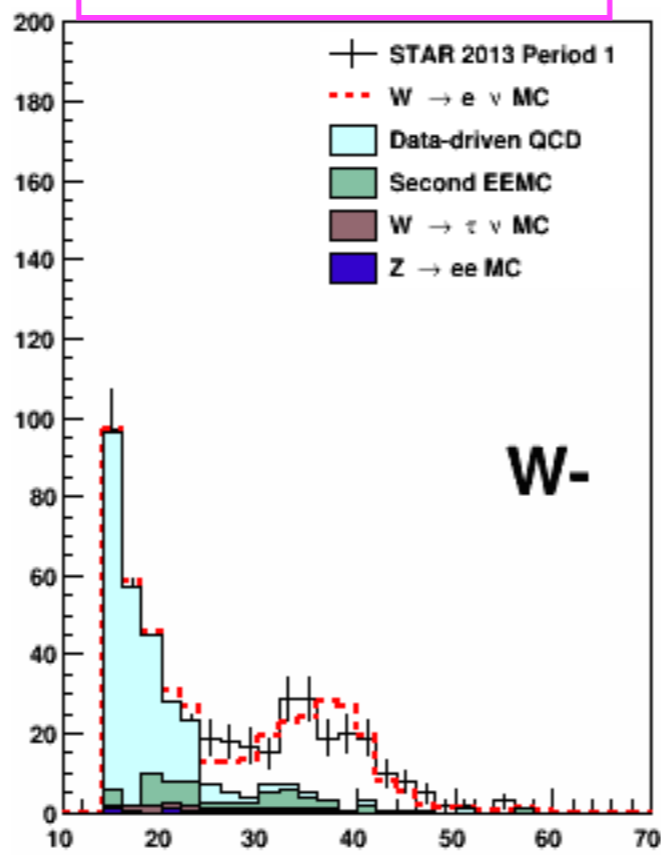
set11-clusterSize-6x6



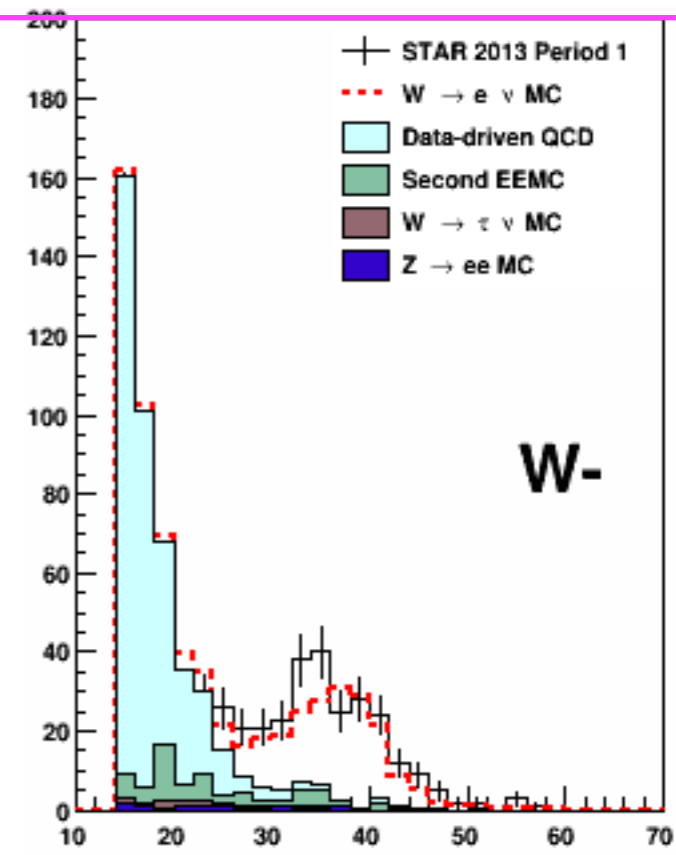
set12-clusterSize-6x6  
2x2/6x6 - 0.97



set13- clusterSize-6x6  
2x2/6x6 - 0.97,  
coneRadius - 1cm



set14- clusterSize-6x6  
2x2/6x6 - 0.97,  
coneRadius - 1cm, coneRatio: 0.94



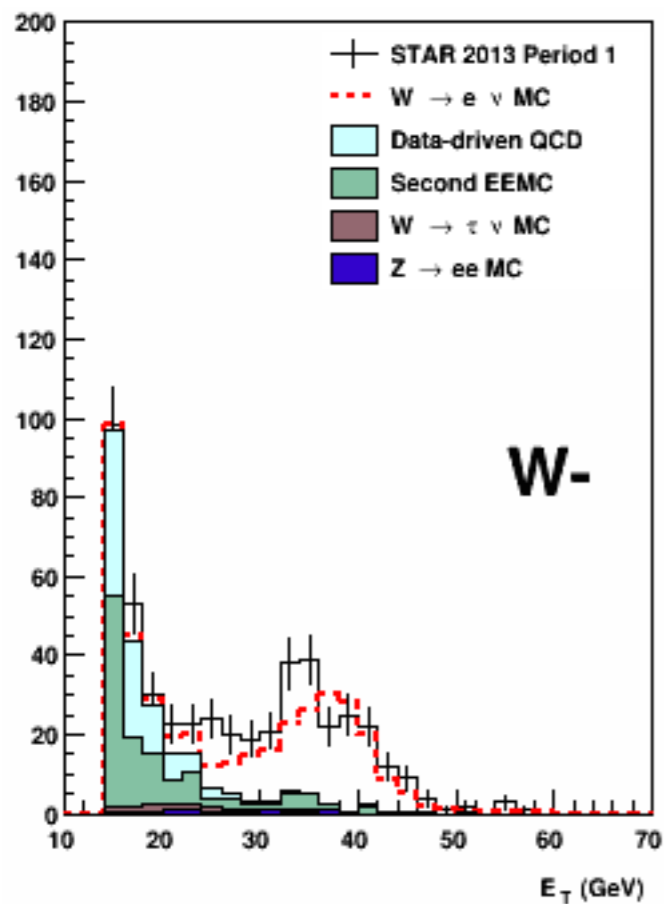
nearCone -B: 0.92 , E: 0.88

clusterSize- 4x4

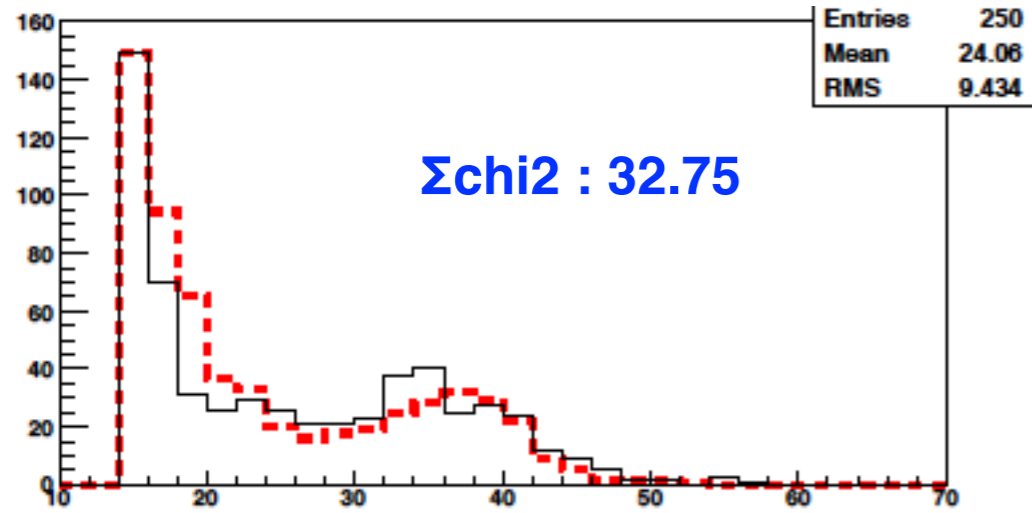
coneRadius-0.7

track-cluster - B: 7 cm , E -10 cm

2x2/4x4 - 0.95



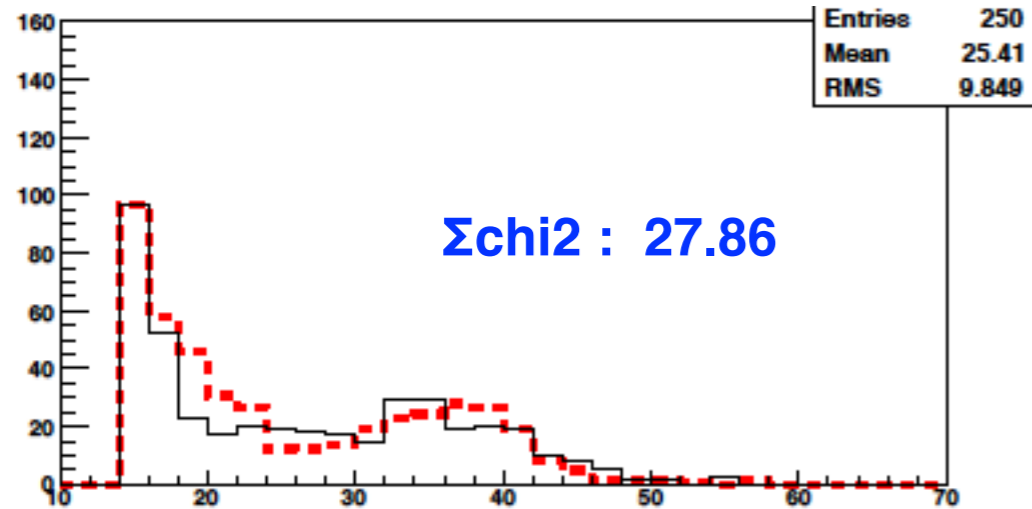
set11- track PT cut 10 → 15 GeV



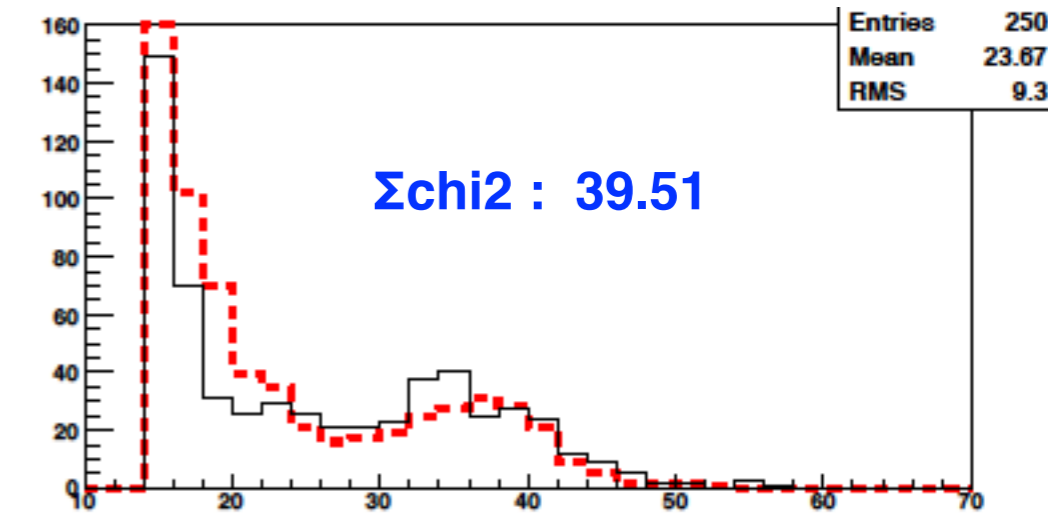
set12- coneRadius - 0.9 rad  
awayCone phi - 0.9 rad



nearCone -B: 0.92 , E: 0.88  
clusterSize- 4x4  
coneRadius- 0.7 rad  
awayCone phi - 0.7 rad  
track-cluster - B: 7 cm , E -10 cm  
2x2/4x4 - 0.95  
track pt - 10 GeV

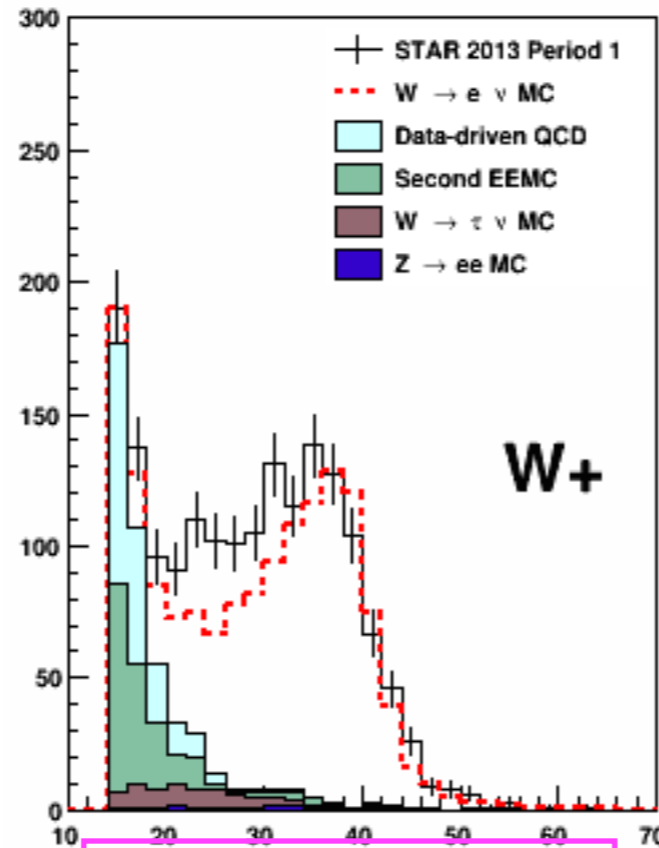


set13- coneRadius - 0.8 rad  
awayCone phi - 0.7 rad

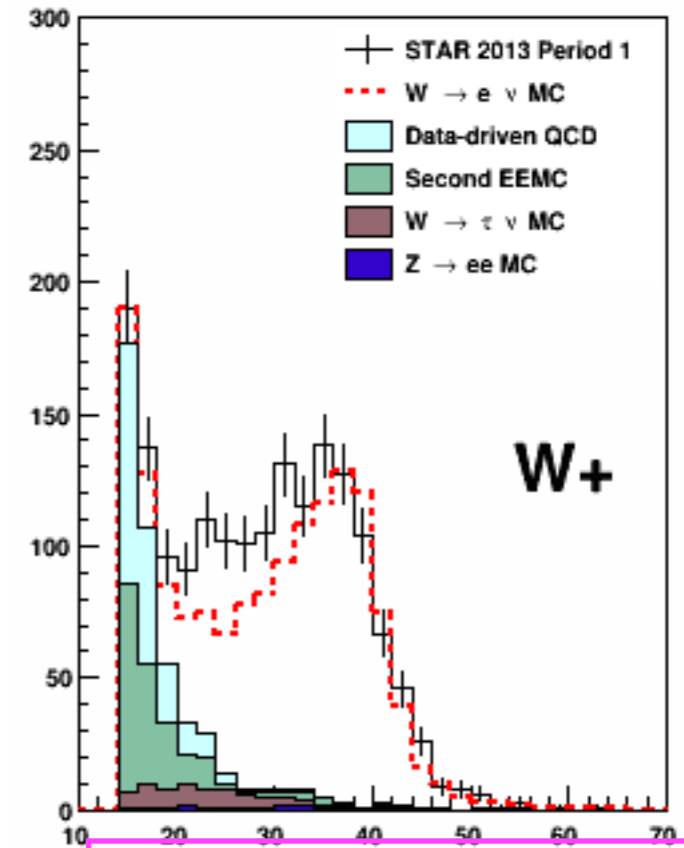


set14- coneRadius - 0.7 rad,  
Δd Endcap - 10cm → 8 cm

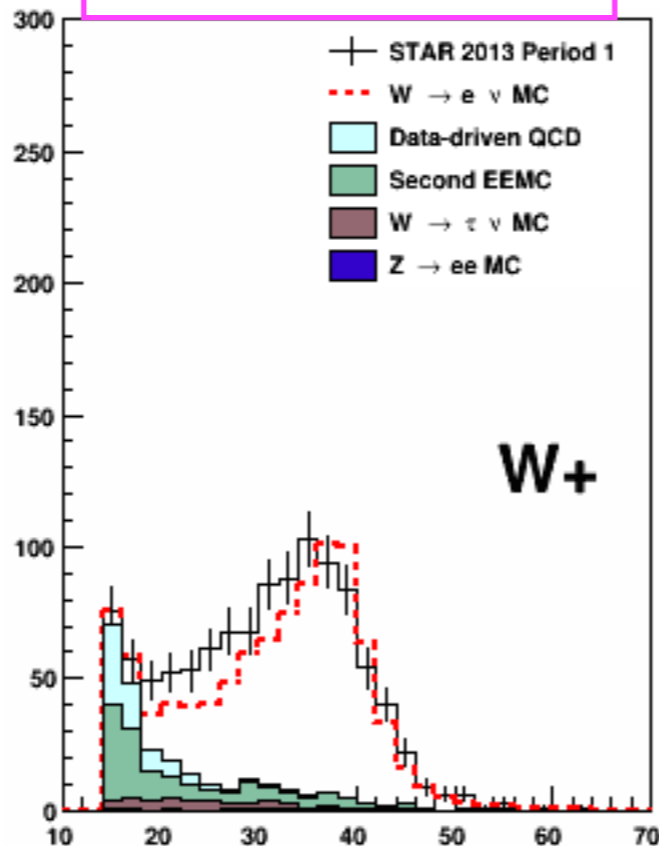
set15-clusterSize-6x6



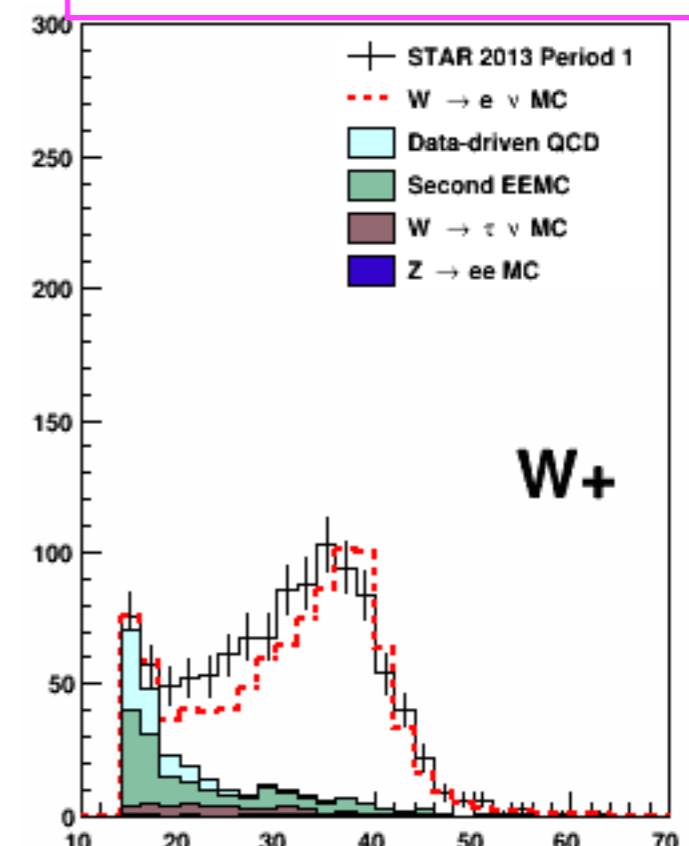
set16-clusterSize-6x6  
2x2/6x6 - 0.97



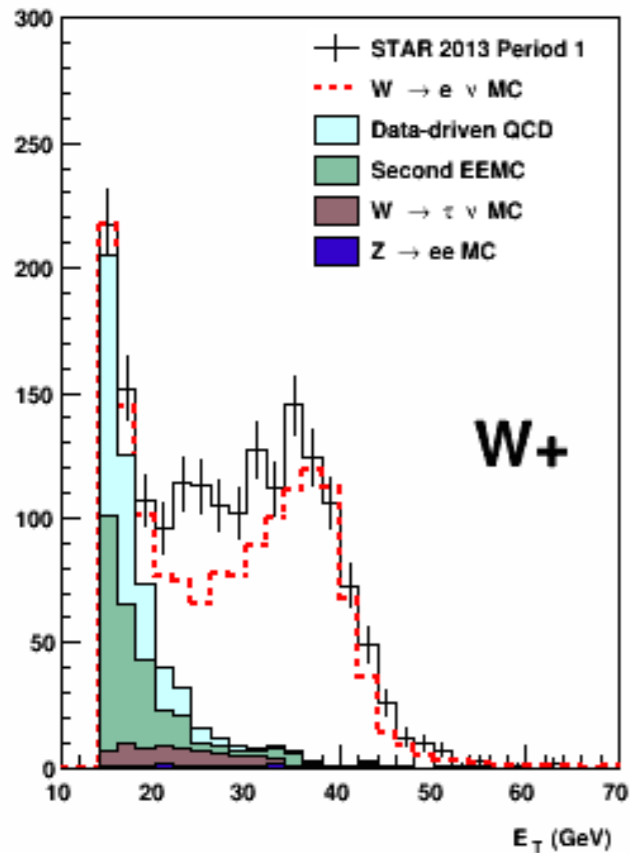
set17- clusterSize-6x6  
2x2/6x6 - 0.97,  
coneRadius - 1cm



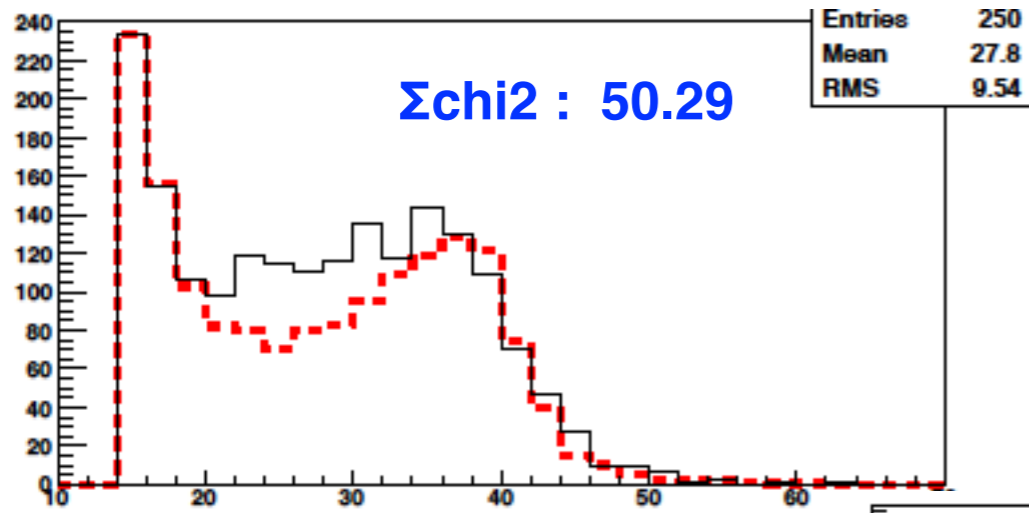
set18- clusterSize-6x6  
2x2/6x6 - 0.97,  
coneRadius - 1cm, coneRatio: 0.94



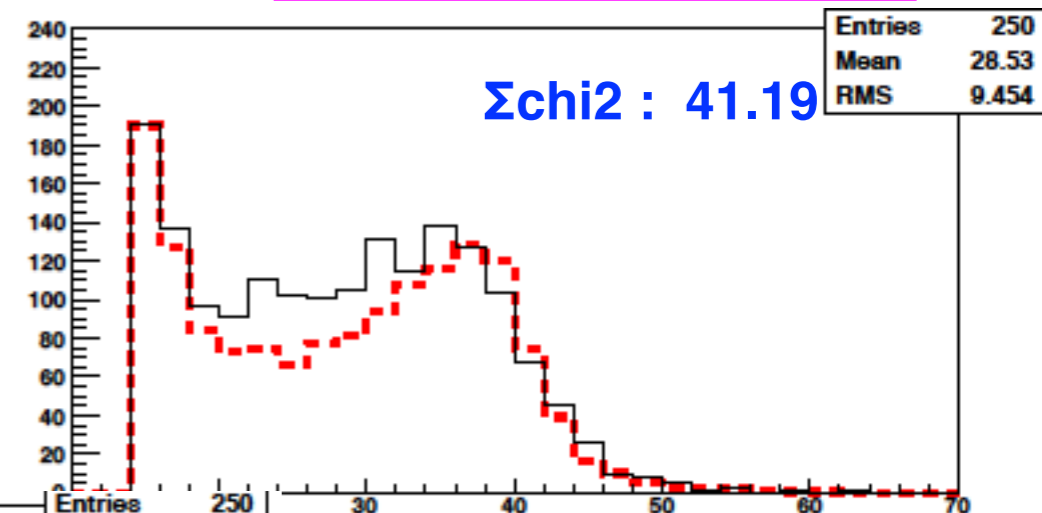
nearCone -B: 0.88 , E: 0.85  
clusterSize- 4x4  
coneRadius-0.7  
track-cluster - B: 7 cm , E -10 cm  
2x2/4x4 - 0.95



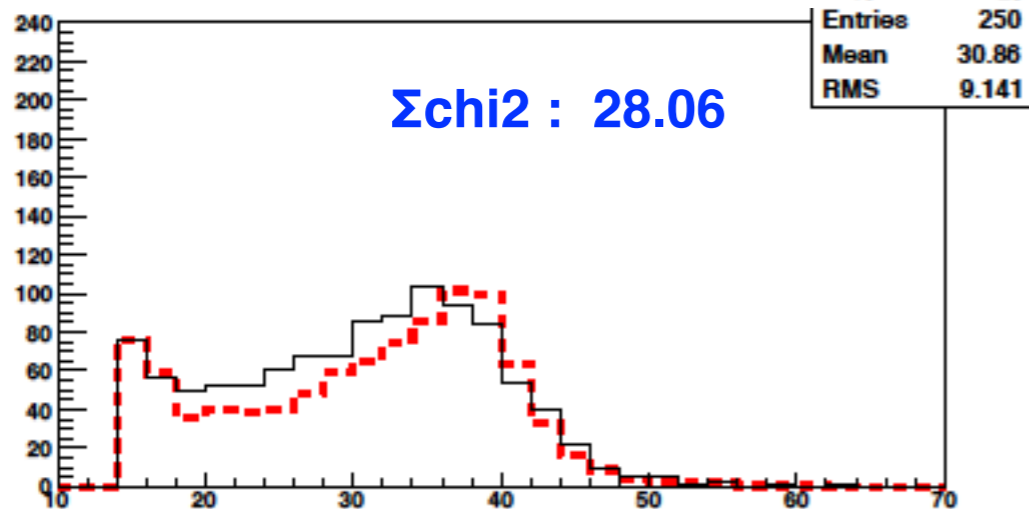
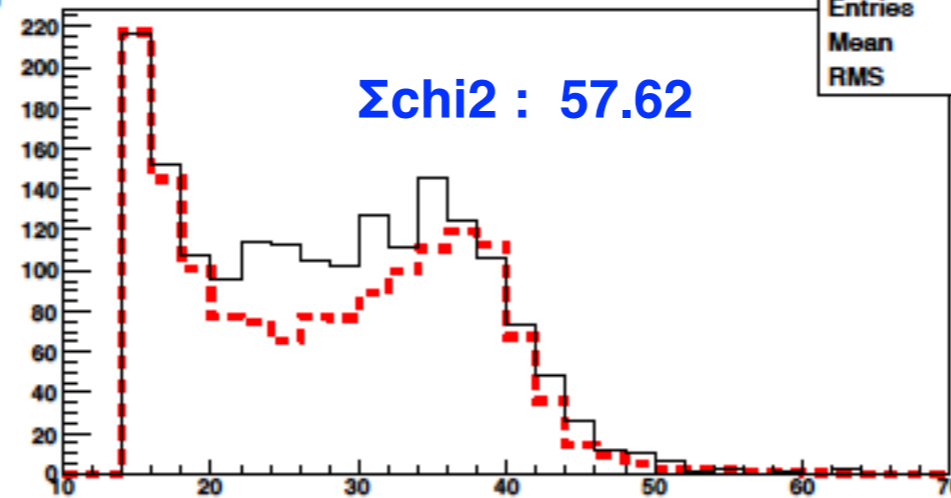
set15- clusterSize-6x6



set16- clusterSize-6x6  
2x2/6x6 - 0.97



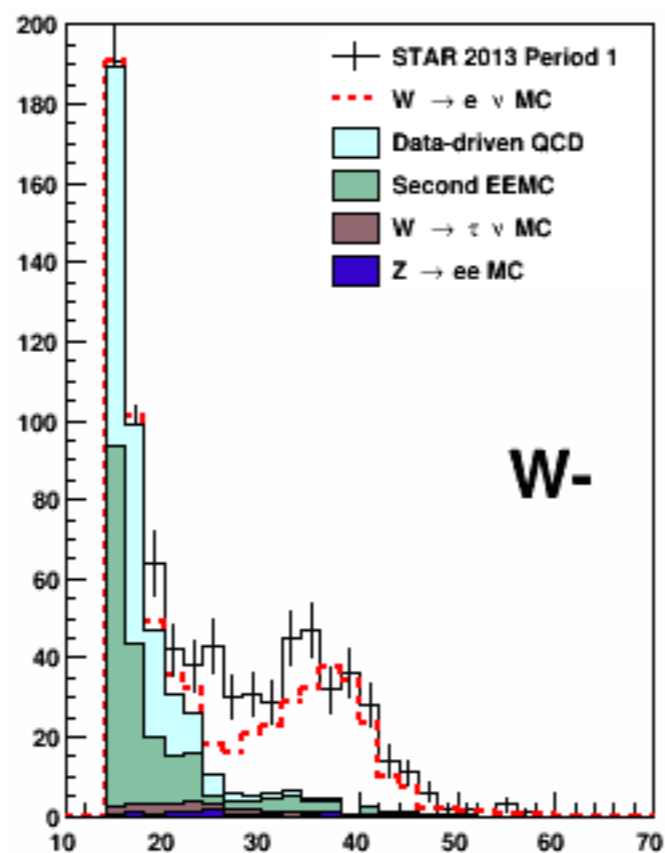
nearCone -B: 0.88 , E: 0.85  
clusterSize- 4x4  
coneRadius- 0.7 rad  
awayCone phi - 0.7 rad  
track-cluster - B: 7 cm , E -10 cm  
2x2/4x4 - 0.95  
track pt - 10 GeV



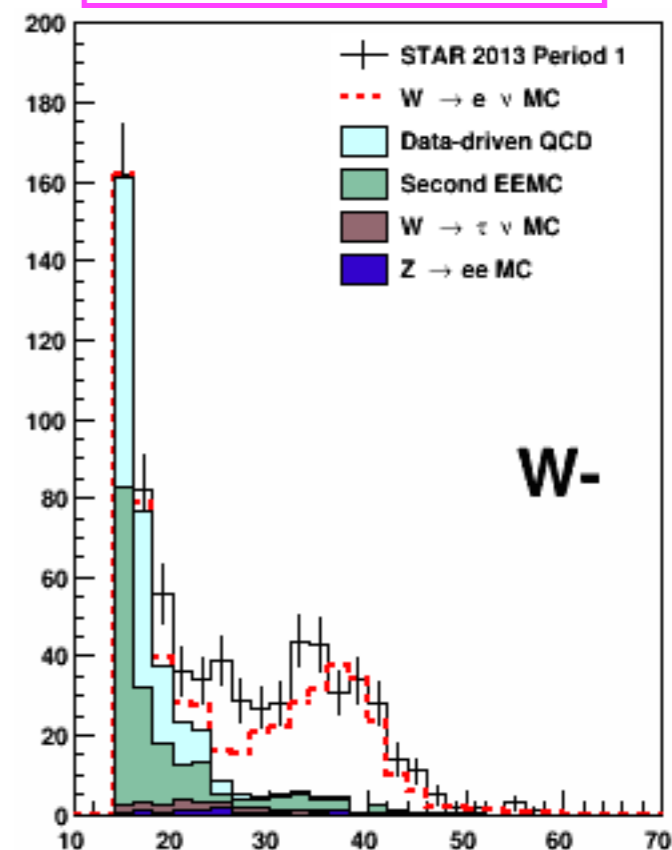
set17- clusterSize - 6x6  
2x2/6x6 - 0.97,  
coneRadius - 1cm

set18- clusterSize - 6x6  
2x2/6x6 - 0.97,  
coneRadius - 9 cm,  
coneRatio- 0.92

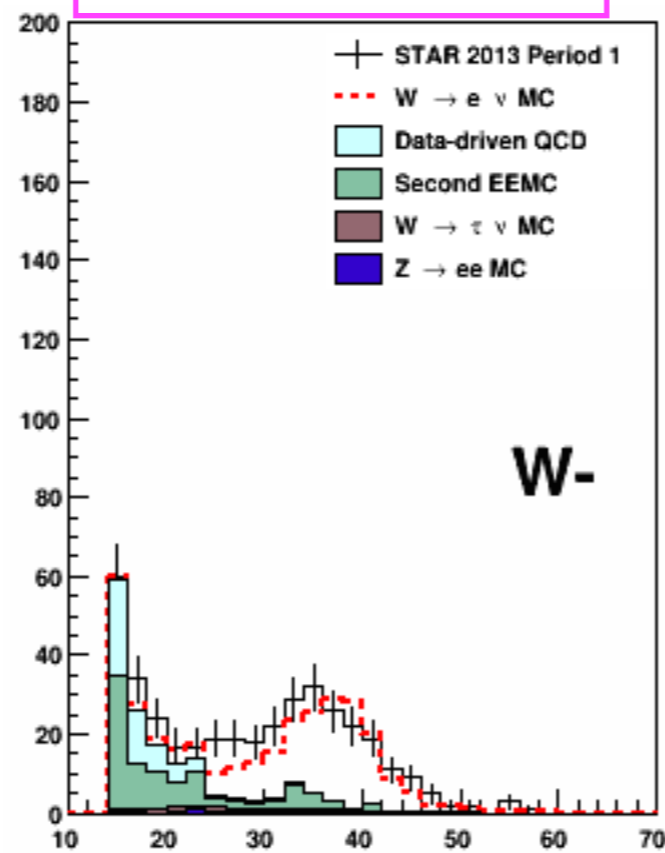
set15-clusterSize-6x6



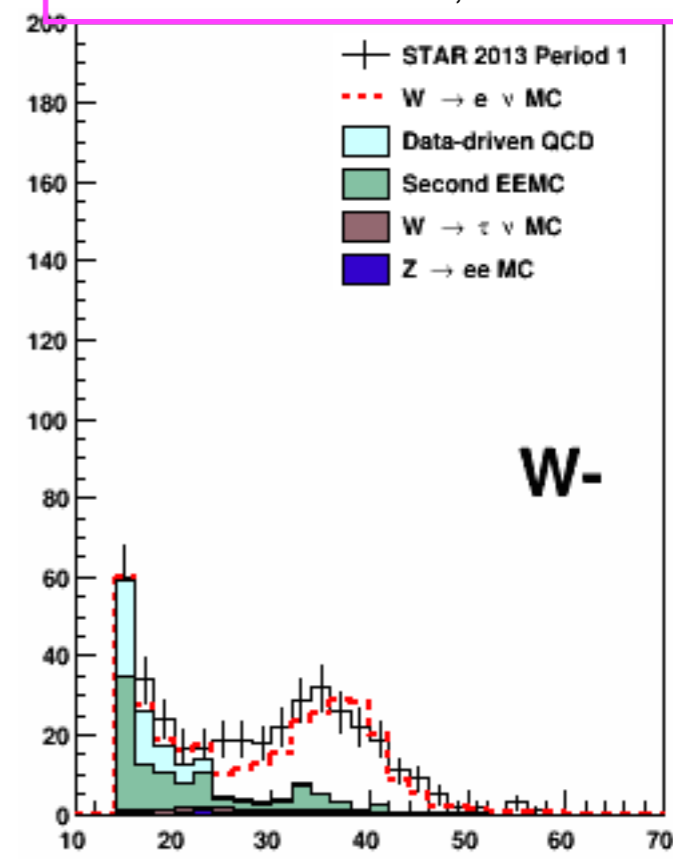
set16-clusterSize-6x6  
2x2/6x6 - 0.97



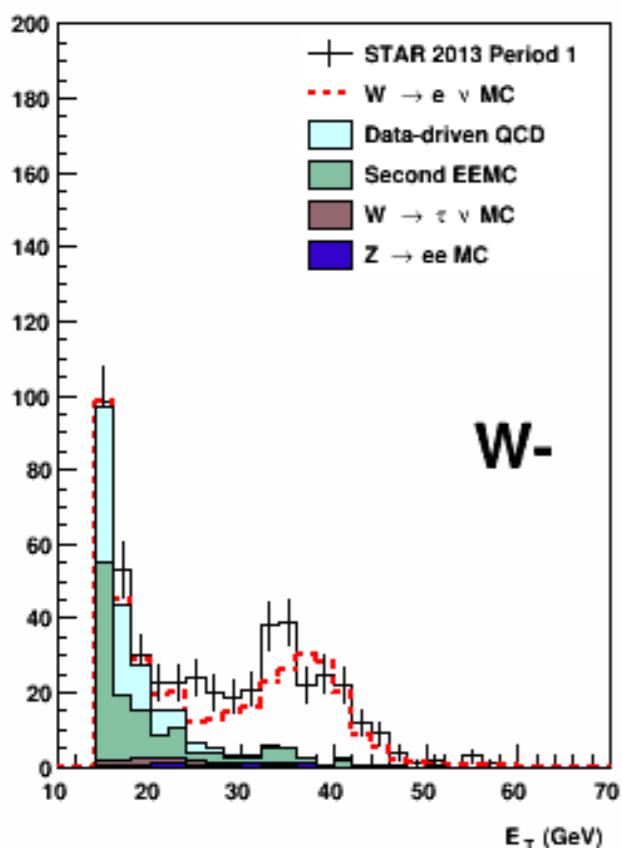
set17- clusterSize-6x6  
2x2/6x6 - 0.97,  
coneRadius - 1cm



set18- clusterSize-6x6  
2x2/6x6 - 0.97,  
coneRadius - 1cm, coneRatio: 0.94

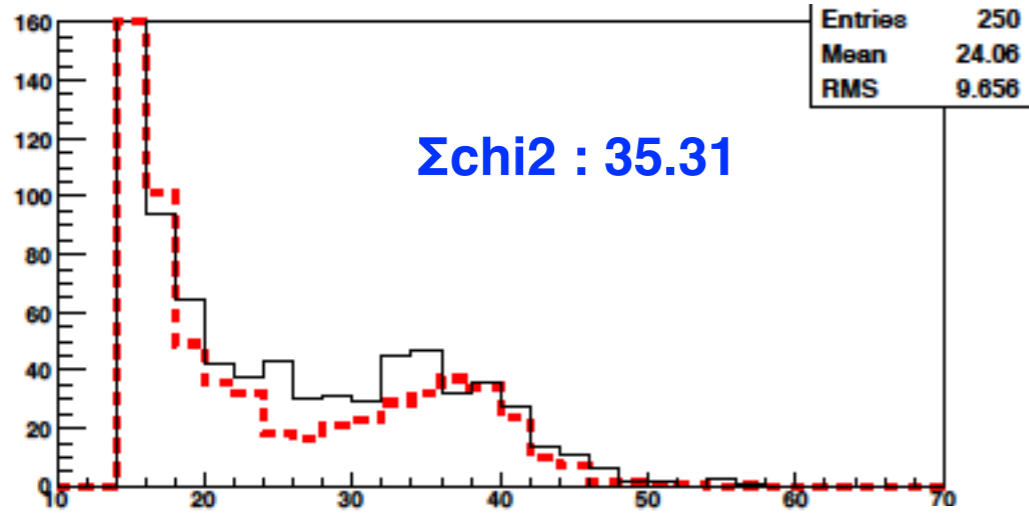


nearCone -B: 0.88 , E: 0.85  
clusterSize- 4x4  
coneRadius-0.7  
track-cluster - B: 7 cm , E -10 cm  
2x2/4x4 - 0.95





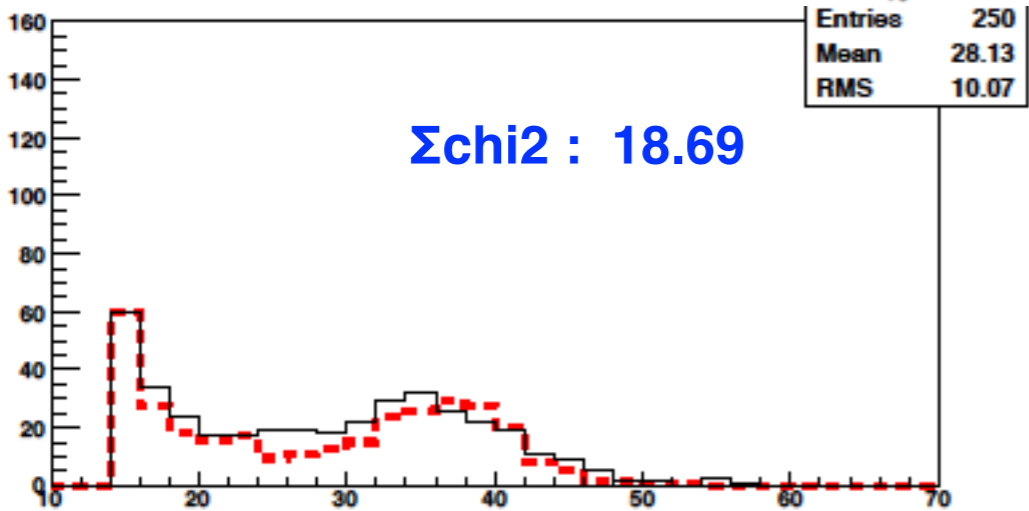
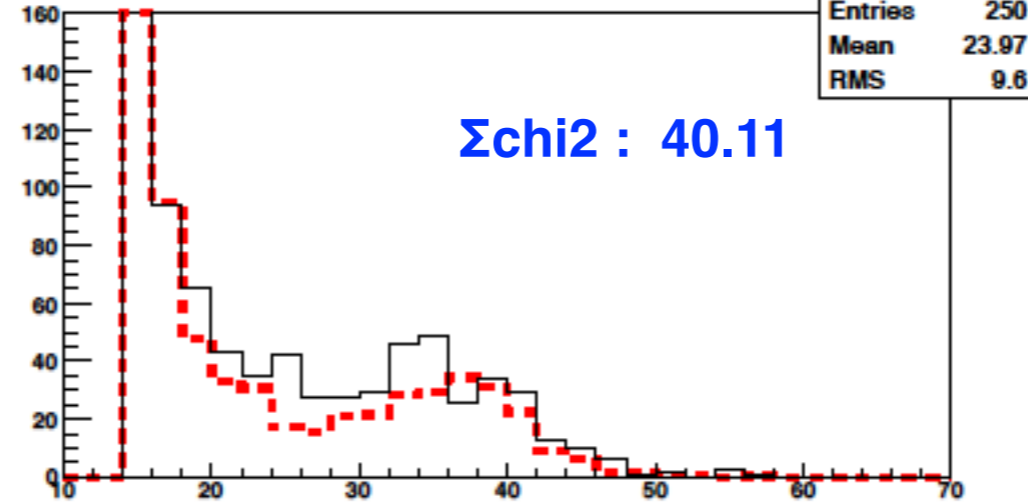
set15-clusterSize-6x6



set16-clusterSize-6x6  
2x2/6x6 - 0.97



nearCone -B: 0.88 , E: 0.85  
clusterSize- 4x4  
coneRadius- 0.7 rad  
awayCone phi - 0.7 rad  
track-cluster - B: 7 cm , E -10 cm  
2x2/4x4 - 0.95  
track pt - 10 GeV



set17- clusterSize-6x6  
2x2/6x6 - 0.97,  
coneRadius - 1cm

set18- clusterSize-6x6  
2x2/6x6 - 0.97,  
coneRadius - 9 cm, coneRatio: 0.92