

Generated $\gamma p \rightarrow K^+ \Lambda$ 5000 events

4	1	1	0	0	0	0	1	0	9.6						
1	0	11	3122	0	-1	-0.977558	0.0786182	0.833545	1.70333	1.11568	0.1702	0.0310871	0.255737		
2	0	1	321	0	-1	0.977558	-0.0786182	8.76646	8.83494	0.4936	-0.0746743	-0.0401239	0.47264		
3	0	1	2212	1	-1	-0.815928	0.118334	0.604359	1.38757	0.93827	-39.7852	3.31062	34.0852		
4	0	1	-211	1	-1	-0.16163	-0.0397155	0.229186	0.315765	0.13957	-39.3462	3.16583	34.154		

GEMC output

Generation done

Beam Settings >> Particle Number: 2, id=321 (kaon+) Vertex=(-0.746743,-0.401239,4.7264)cm, momentum=(0.977558,-0.0786182,8.76646) GeV

Beam Settings >> Particle Number: 3, id=2212 (proton) Vertex=(-397.852,33.1062,340.852)cm, momentum=(-0.815928,0.118334,0.604359) GeV

Beam Settings >> Particle Number: 4, id=-211 (pi-) Vertex=(-393.462,31.6583,341.54)cm, momentum=(-0.16163,-0.0397155,0.229186) GeV

Reconstruction output

no K+p-pi events reconstructed

Generated Event

```

3 1. 1. 1 1 0.000 0.000 11.000 0.000 0.000
1 1. 1 321 0 0 0.9776 -0.0786 8.7665 8.8349 0.4937 -0.7467 -0.4012 4.7264
2 1. 1 2212 0 0 -0.8159 0.1183 0.6044 1.3876 0.9383 -397.8520 33.1062 340.8520
3 -1. 1 -211 0 0 -0.1616 -0.0397 0.2292 0.3158 0.1396 -393.4620 31.6583 341.5400

```

Reconstructed Event

```

1 1. 1. 1 1 0.000 0.000 11.000 0.000 0.000
1 1. 1 321 0 0 0.9732 -0.0763 8.7485 8.8166 0.4937 0.0000 0.0000 0.0000

```

Evio-dump Reconstructed File

*****>>>> BANK EVENTHB::particle >>>> SIZE = 12

status (int) : 100
charge (int) : 1
pid (int) : 0
chi2pid (float) : 0.00000
mass (float) : 0.00000
beta (float) : 0.00000
px (float) : 0.97318
py (float) : -0.07628
pz (float) : 8.74850
vx (float) : 0.02272
vy (float) : -0.02779
vz (float) : -0.01155

*****>>>> BANK GenPart::true >>>> SIZE = 7

pid (int) :	321	2212	-211
px (double) :	977.55800	-815.92800	-161.63000
py (double) :	-78.61820	118.33400	-39.71550
pz (double) :	8766.46000	604.35900	229.18600
vx (double) :	-0.74674	-397.85200	-393.46200
vy (double) :	-0.40124	33.10620	31.65830
vz (double) :	4.72640	340.85200	341.54000