

*** Run,Event: 192348,24914 Rs: 13 : >>> TStnAna: Processed 28500 events

----- interaction 0 -----

i	name	PDG	SC	FM	SM	FD	SD	px	py	pz	e	vx
0	proton	2212	3	-1	-1	-1	-1	908	980			
1	antiproton	-2212	3	-1	-1	-1	-1	-980	980			
2	g	21	3	0	-1	-1	-1	1.089	2.136	175.420	175.436	
3	d_bar	-1	3	1	-1	-1	-1	0.702	0.498	-241.650	241.652	
4	u	2	3	2	-1	-1	-1	25.895	24.836	-7.206	36.596	
5	d_bar	-1	3	3	-1	-1	-1	1.130	-0.230	-110.842	110.848	
6	w+	24	3	4	5	-1	-1	27.024	24.606	-118.048	147.444	
7	e+	-11	3	6	-1	-1	-1	-2.305	-26.372	-20.276	33.346	
8	nu_e	12	3	6	-1	-1	-1	29.329	50.978	-97.772	114.098	
9	w+	24	2	6	-1	10	14	27.024	24.606	-118.048	147.444	
10	nu_e	12	1	8	-1	-1	-1	29.329	50.978	-97.772	114.098	
11	gamma	22	1	7	-1	-1	-1	-	-	-	-	
12	gamma	22	1	7	-1	-1	-1	-	-	-	-	
13	e+	-11	1	7	-1	-1	-1	-2.305	-26.372	-20.276	33.346	
14	gamma	22	1	7	-1	-1	-1	-	-	-	-	
15	u_bar	-2	2	2	-1	65	65	-23.650	-32.312	-62.671	74.372	
16	g	21	2	2	-1	65	65	-0.490	-2.087	-3.984	4.525	
17	g	21	2	2	-1	65	65	0.580	-0.517	-0.504	0.926	
18	u	2	2	2	-1	65	65	-1.836	6.854	2.914	7.678	
19	u_bar	-2	2	2	-1	73	73	-5.282	5.689	6.966	10.436	
20	g	21	2	2	-1	73	73	-0.033	0.951	1.128	1.476	
21	g	21	2	2	-1	73	73	5.493	1.623	4.039	7.009	
22	d	1	2	0	-1	73	73	-0.546	-0.772	105.908	105.913	
23	u	2	2	-1	-1	83	83	0.416	0.028	-5.232	5.248	
24	g	21	2	-1	-1	83	83	0.242	-0.105	-5.525	5.531	
25	g	21	2	-1	-1	83	83	0.394	-0.023	-2.197	2.233	
26	u_bar	-2	2	-1	-1	83	83	-0.416	-0.028	-0.309	0.519	
27	uu_1	2203	2	0	-1	87	87	-0.543	-1.364	244.890	244.895	
28	g	21	2	2	-1	87	87	-0.298	2.231	70.418	70.454	
29	g	21	2	2	-1	87	87	0.643	-0.067	17.501	17.513	
30	g	21	2	2	-1	87	87	-0.196	0.321	18.580	18.584	
31	g	21	2	2	-1	87	87	-0.490	0.745	4.749	4.832	
32	g	21	2	2	-1	87	87	0.118	-1.635	5.794	6.021	
33	g	21	2	2	-1	87	87	0.040	0.224	-0.407	0.467	

34 g	21	2	2	-1	87	87	0.267	-0.548	-0.145	0.627
35 g	21	2	2	-1	87	87	0.548	-0.495	0.688	1.009
36 g	21	2	2	-1	87	87	0.718	-4.148	14.878	15.462
37 g	21	2	2	-1	87	87	0.026	0.173	-0.340	0.382
38 g	21	2	-1	-1	87	87	2.911	1.718	-0.904	3.499
39 g	21	2	-1	-1	87	87	1.098	2.982	2.460	4.019
40 g	21	2	-1	-1	87	87	0.653	1.306	12.254	12.341
41 g	21	2	-1	-1	87	87	-4.673	1.013	76.978	77.126
42 g	21	2	-1	-1	87	87	-0.242	0.105	15.104	15.106
43 g	21	2	-1	-1	87	87	-0.979	-0.546	64.512	64.522
44 g	21	2	-1	-1	87	87	-1.098	-2.982	139.158	139.194
45 g	21	2	-1	-1	87	87	0.979	0.546	132.104	132.109
46 g	21	2	-1	-1	87	87	4.673	-1.013	-3.766	6.086
47 g	21	2	-1	-1	87	87	0.748	0.173	-1.580	1.757
48 g	21	2	-1	-1	87	87	-0.194	2.301	-6.119	6.540
49 g	21	2	-1	-1	87	87	0.052	-0.519	-0.888	1.030
50 g	21	2	-1	-1	87	87	-0.653	-1.306	-7.771	7.907
51 g	21	2	-1	-1	87	87	-2.911	-1.718	-9.401	9.990
52 g	21	2	-1	-1	87	87	-0.748	-0.173	-3.261	3.350
53 g	21	2	-1	-1	87	87	-1.491	-0.097	-6.756	6.919
54 g	21	2	-1	-1	87	87	-2.867	0.217	-45.156	45.247
55 g	21	2	-1	-1	87	87	-0.052	0.519	-8.427	8.443
56 g	21	2	-1	-1	87	87	2.867	-0.217	-47.642	47.729
57 g	21	2	-1	-1	87	87	1.491	0.097	-36.398	36.429
58 g	21	2	-1	-1	87	87	0.194	-2.301	-168.863	168.879
59 g	21	2	3	-1	87	87	0.150	-0.146	-5.394	5.398
60 g	21	2	3	-1	87	87	-1.541	1.170	-22.391	22.474
61 uu_1_bar	-2203	2	1	-1	87	87	-0.702	-0.498	-373.181	373.183
62 g	21	2	-1	-1	157	157	-0.413	-0.752	5.402	5.470
63 g	21	2	-1	-1	157	157	-0.394	0.023	0.735	0.834
64 g	21	2	-1	-1	157	157	0.413	0.752	0.103	0.864
65 string	92	2	15	18	66	72	-25.396	-28.062	-64.246	87.501
66 pi-	-211	1	65	-1	-1	-1	-6.406	-9.016	-18.980	21.968
67 k0_bar	-311	2	65	-1	162	162	-14.249	-19.186	-36.132	43.323

68 eta'	331	2	65	-1	163	165	-3.259	-4.588	-8.699	10.405
69 K*+	323	2	65	-1	166	167	-0.055	-1.605	-2.717	3.240
70 pi-	-211	1	65	-1	-1	-1	0.190	-0.531	-0.642	0.866
71 pi+	211	1	65	-1	-1	-1	-0.092	0.659	0.229	0.717
72 omega	223	2	65	-1	168	170	-1.525	6.205	2.695	6.981
73 string	92	2	19	22	74	82	-0.369	7.492	118.040	124.832
74 K*-	-323	2	73	-1	171	172	-5.418	6.335	7.461	11.222
75 xi0_bar	-3322	1	73	-1	-1	-1	3.450	0.843	4.089	5.574
76 Sigma+	3222	1	73	-1	-1	-1	0.381	0.975	1.276	2.034
77 omega	223	2	73	-1	173	175	0.826	-0.591	4.888	5.051
78 rho0	113	2	73	-1	176	177	-0.154	0.802	8.380	8.449
79 Delta-	-2214	2	73	-1	178	179	0.753	-0.202	2.763	3.166
80 Delta0	2114	2	73	-1	180	181	0.317	-0.323	6.856	6.995
81 rho+	213	2	73	-1	182	183	-0.850	-0.232	54.853	54.865
82 pi-	-211	1	73	-1	-1	-1	0.328	-0.115	27.474	27.476
83 string	92	2	23	26	84	86	0.636	-0.128	-13.263	13.531
84 omega	223	2	83	-1	184	186	0.664	-0.098	-6.270	6.355
85 pi+	211	1	83	-1	-1	-1	-0.457	0.320	-4.002	4.043
86 rho-	-213	2	83	-1	187	188	0.429	-0.350	-2.992	3.134
87 string	92	2	27	61	88	156	-1.502	-3.931	71.277	1579.524
88 rho+	213	2	87	-1	189	190	0.055	0.763	29.986	30.004
89 proton	2212	1	87	-1	-1	-1	0.066	-0.300	66.645	66.652
90 rho-	-213	2	87	-1	191	192	-0.271	-0.389	203.357	203.361
91 rho+	213	2	87	-1	193	194	-0.766	1.045	29.534	29.571
92 K-	-321	1	87	-1	-1	-1	-0.075	0.583	8.035	8.071
93 eta	221	2	87	-1	195	197	0.736	-1.055	11.469	11.554
94 Lambda0_bar	-3122	1	87	-1	-1	-1	-0.378	0.249	1.527	1.944
95 neutron	2112	1	87	-1	-1	-1	-0.073	-0.261	2.262	2.465
96 rho+	213	2	87	-1	198	199	0.132	-0.070	3.062	3.142
97 rho-	-213	2	87	-1	200	201	0.027	0.170	2.095	2.225
98 pi+	211	1	87	-1	-1	-1	0.200	0.268	0.144	0.390
99 K-	-321	1	87	-1	-1	-1	-0.004	-0.785	4.714	4.805
100 Sigma*-	-3224	2	87	-1	202	203	0.416	-1.894	3.180	3.980
101 pi+	211	1	87	-1	-1	-1	0.521	0.386	2.069	2.173

102 proton	2212	1	87	-1	-1	-1	0.261	-2.124	3.785	4.448
103 pi-	-211	1	87	-1	-1	-1	0.616	-0.908	3.189	3.375
104 rho+	213	2	87	-1	204	205	-0.471	0.312	1.122	1.433
105 pi-	-211	1	87	-1	-1	-1	1.218	0.746	0.101	1.439
106 pi0	111	2	87	-1	206	207	-0.228	-0.523	-0.056	0.589
107 omega	223	2	87	-1	208	210	1.088	1.265	1.003	2.094
108 pi0	111	2	87	-1	211	212	-0.006	0.073	-0.255	0.298
109 pi0	111	2	87	-1	213	214	0.856	0.774	0.456	1.248
110 eta'	331	2	87	-1	215	217	0.324	0.501	0.169	1.141
111 omega	223	2	87	-1	218	220	0.273	0.022	1.348	1.582
112 rho0	113	2	87	-1	221	222	0.216	1.147	2.327	2.721
113 pi+	211	1	87	-1	-1	-1	-0.057	0.421	0.579	0.732
114 pi0	111	2	87	-1	223	224	0.344	0.347	2.248	2.304
115 rho-	-213	2	87	-1	225	226	-2.209	0.798	40.099	40.174
116 eta'	331	2	87	-1	227	228	-0.655	-0.200	33.771	33.791
117 omega	223	2	87	-1	229	231	0.071	0.334	12.781	12.809
118 rho+	213	2	87	-1	232	233	-0.190	-0.180	13.551	13.576
119 rho-	-213	2	87	-1	234	235	-1.799	-0.081	40.792	40.836
120 omega	223	2	87	-1	236	238	-0.398	-0.116	44.480	44.489
121 κ^0_{bar}	-313	2	87	-1	239	240	0.023	-0.250	34.723	34.737
122 κ^0	311	2	87	-1	241	241	0.048	-1.095	81.396	81.405
123 pi0	111	2	87	-1	242	243	-0.037	-0.270	41.267	41.268
124 pi0	111	2	87	-1	244	245	-0.393	-0.270	76.524	76.526
125 pi+	211	1	87	-1	-1	-1	-0.440	0.237	6.553	6.573
126 κ^-	-321	1	87	-1	-1	-1	0.117	-0.145	1.089	1.210
127 σ^{*+}	-3114	2	87	-1	246	247	0.499	0.087	1.869	2.391
128 Δ^-	1114	2	87	-1	248	249	0.377	-0.004	3.614	3.805
129 rho+	213	2	87	-1	250	251	0.171	0.247	0.143	0.654
130 pi-	-211	1	87	-1	-1	-1	-0.403	-0.341	0.326	0.636
131 pi+	211	1	87	-1	-1	-1	0.835	0.001	0.166	0.863
132 eta'	331	2	87	-1	252	253	1.836	-0.614	-2.119	3.026
133 omega	223	2	87	-1	254	256	1.079	1.111	-1.582	2.348
134 omega	223	2	87	-1	257	259	-0.194	-0.360	-2.232	2.400

135 pi-	-211	1	87	-1	-1	-1	0.922	0.203	-1.074	1.437
136 rho+	213	2	87	-1	260	261	0.609	-0.497	-2.366	2.629
137 antiproton	-2212	1	87	-1	-1	-1	-1.411	-0.834	-5.324	5.649
138 neutron	2112	1	87	-1	-1	-1	-0.961	0.718	-4.856	5.089
139 rho+	213	2	87	-1	262	263	-0.357	-0.002	-2.669	2.830
140 omega	223	2	87	-1	264	266	-0.180	-0.778	-7.448	7.532
141 k*-	-323	2	87	-1	267	268	-1.607	-0.802	-9.088	9.308
142 k*+	323	2	87	-1	269	270	-0.897	-1.002	-7.337	7.512
143 antiproton	-2212	1	87	-1	-1	-1	-1.843	0.951	-18.664	18.802
144 proton	2212	1	87	-1	-1	-1	-0.865	0.285	-25.391	25.424
145 k-	-321	1	87	-1	-1	-1	0.995	-0.141	-15.770	15.809
146 k*0	313	2	87	-1	271	272	0.533	-0.105	-24.141	24.165
147 rho0	113	2	87	-1	273	274	-0.091	0.209	-37.995	38.003
148 rho+	213	2	87	-1	275	276	1.136	-0.996	-38.985	39.017
149 pi0	111	2	87	-1	277	278	-0.562	-0.193	-13.657	13.671
150 pi0	111	2	87	-1	279	280	-0.061	0.115	-8.723	8.725
151 rho-	-213	2	87	-1	281	282	1.630	0.613	-27.430	27.497
152 Delta0_bar	-2114	2	87	-1	283	284	-0.358	-1.058	-103.265	103.278
153 Delta+	2214	2	87	-1	285	286	-0.251	-0.406	-29.713	29.741
154 k-	-321	1	87	-1	-1	-1	-0.318	0.878	-52.819	52.830
155 k*0	313	2	87	-1	287	288	-0.323	-0.081	-126.072	126.075
156 Delta-	-2214	2	87	-1	289	290	-0.601	-0.660	-177.238	177.243
157 string	92	2	62	64	158	161	-0.394	0.023	6.240	7.168
158 pi-	-211	1	157	-1	-1	-1	0.115	-0.106	2.761	2.768
159 pi0	111	2	157	-1	291	292	-0.337	0.282	-0.195	0.500
160 pi0	111	2	157	-1	293	294	-0.035	0.183	0.389	0.452
161 rho+	213	2	157	-1	295	296	-0.136	-0.336	3.285	3.449
162 k_s0	310	1	67	-1	-1	-1	-14.249	-19.186	-36.132	43.323
163 pi-	-211	1	68	-1	-1	-1	-1.070	-1.408	-2.786	3.303
164 pi+	211	1	68	-1	-1	-1	-0.497	-0.838	-1.282	1.616
165 eta	221	2	68	-1	297	299	-1.692	-2.342	-4.632	5.486
166 k0	311	2	69	-1	300	300	-0.129	-1.438	-2.242	2.713
167 pi+	211	1	69	-1	-1	-1	0.075	-0.167	-0.475	0.528
168 pi-	-211	1	72	-1	-1	-1	-0.444	1.918	0.661	2.081

169 pi+	211	1	72	-1	-1	-1	-0.872	3.396	1.808	3.947
170 pi0	111	2	72	-1	301	302	-0.209	0.892	0.226	0.953
171 k0_bar	-311	2	74	-1	303	303	-4.171	5.161	5.701	8.763
172 pi-	-211	1	74	-1	-1	-1	-1.247	1.174	1.760	2.460
173 pi-	-211	1	77	-1	-1	-1	0.181	-0.191	2.368	2.386
174 pi+	211	1	77	-1	-1	-1	0.402	-0.087	1.526	1.587
175 pi0	111	2	77	-1	304	305	0.243	-0.312	0.994	1.078
176 pi-	-211	1	78	-1	-1	-1	-0.153	0.062	3.926	3.932
177 pi+	211	1	78	-1	-1	-1	-0.001	0.740	4.454	4.517
178 antiproton	-2212	1	79	-1	-1	-1	0.561	-0.226	2.700	2.922
179 pi0	111	2	79	-1	306	307	0.192	0.024	0.063	0.244
180 neutron	2112	1	80	-1	-1	-1	0.539	-0.296	5.354	5.470
181 pi0	111	2	80	-1	308	309	-0.222	-0.027	1.502	1.525
182 pi+	211	1	81	-1	-1	-1	-0.731	-0.273	29.765	29.775
183 pi0	111	2	81	-1	310	311	-0.119	0.041	25.089	25.089
184 pi-	-211	1	84	-1	-1	-1	0.437	-0.060	-4.593	4.616
185 pi+	211	1	84	-1	-1	-1	0.051	0.114	-0.689	0.714
186 pi0	111	2	84	-1	312	313	0.177	-0.152	-0.988	1.024
187 pi-	-211	1	86	-1	-1	-1	0.068	0.137	-1.559	1.573
188 pi0	111	2	86	-1	314	315	0.361	-0.487	-1.432	1.561
189 pi+	211	1	88	-1	-1	-1	-0.163	0.751	23.651	23.664
190 pi0	111	2	88	-1	316	317	0.218	0.011	6.335	6.340
191 pi-	-211	1	90	-1	-1	-1	-0.372	-0.022	177.187	177.187
192 pi0	111	2	90	-1	318	319	0.100	-0.367	26.171	26.174
193 pi+	211	1	91	-1	-1	-1	-0.754	1.061	24.246	24.281
194 pi0	111	2	91	-1	320	321	-0.012	-0.016	5.288	5.289
195 pi0	111	2	93	-1	322	323	0.307	-0.541	4.529	4.574
196 pi0	111	2	93	-1	324	325	0.148	-0.311	3.968	3.985
197 pi0	111	2	93	-1	326	327	0.281	-0.203	2.972	2.995
198 pi+	211	1	96	-1	-1	-1	0.368	-0.145	2.004	2.047
199 pi0	111	2	96	-1	328	329	-0.236	0.075	1.058	1.095
200 pi-	-211	1	97	-1	-1	-1	-0.222	0.037	1.705	1.725
201 pi0	111	2	97	-1	330	331	0.249	0.133	0.390	0.500

235	pi0		111	2	119	-1	351	352	-1.479	0.096	34.100	34.133			
236	pi+		211	1	120	-1	-1	-1	-0.005	0.088	12.268	12.269			
237	pi-		-211	1	120	-1	-1	-1	0.037	-0.131	5.512	5.515			
238	pi0		111	2	120	-1	353	354	-0.431	-0.072	26.700	26.704			
239	k-		-321	1	121	-1	-1	-1	0.127	0.024	29.077	29.081			
240	pi+		211	1	121	-1	-1	-1	-0.105	-0.274	5.646	5.656			
241	k_L0		130	1	122	-1	-1	-1	0.048	-1.095	81.396	81.405			
-	242	gamma	22	1	123	-1	-1	-1	-0.017	-0.280	37.425	37.426	-		
-	243	0.002	0.002	22	1	123	-1	-1	-1	-0.020	0.010	3.842	3.842	-	
-	244	gamma	22	1	124	-1	-1	-1	-0.021	-0.021	12.783	12.783	-		
-	245	0.022	0.022	22	1	124	-1	-1	-1	-0.371	-0.249	63.742	63.743	-	
-	246	gamma	0.022	0.022	22	1	124	-1	-1	-1	-0.371	-0.249	63.742	63.743	-
246	Lambda0_bar		-3122	1	127	-1	-1	-1	0.519	-0.034	1.822	2.199			
247	pi+		211	1	127	-1	-1	-1	-0.021	0.121	0.048	0.192			
248	neutron		2112	1	128	-1	-1	-1	0.426	-0.024	2.974	3.148			
249	pi-		-211	1	128	-1	-1	-1	-0.049	0.020	0.639	0.657			
250	pi+		211	1	129	-1	-1	-1	-0.025	-0.129	0.022	0.193			
251	pi0		111	2	129	-1	355	356	0.197	0.376	0.121	0.461			
252	gamma		22	1	132	-1	-1	-1	0.301	-0.337	-0.359	0.577			
253	rho0		113	2	132	-1	357	358	1.535	-0.277	-1.761	2.449			
254	pi-		-211	1	133	-1	-1	-1	0.068	0.103	-0.143	0.235			
255	pi+		211	1	133	-1	-1	-1	0.467	0.361	-0.951	1.128			
256	pi0		111	2	133	-1	359	360	0.544	0.647	-0.489	0.986			
257	pi+		211	1	134	-1	-1	-1	0.094	-0.012	-0.729	0.748			
258	pi-		-211	1	134	-1	-1	-1	-0.199	0.007	-0.294	0.382			
259	pi0		111	2	134	-1	361	362	-0.089	-0.355	-1.209	1.270			
260	pi+		211	1	136	-1	-1	-1	0.048	-0.267	-0.175	0.351			
261	pi0		111	2	136	-1	363	364	0.561	-0.231	-2.191	2.277			
262	pi+		211	1	139	-1	-1	-1	-0.615	0.040	-1.589	1.710			
263	pi0		111	2	139	-1	365	366	0.258	-0.042	-1.081	1.120			
264	pi-		-211	1	140	-1	-1	-1	-0.017	-0.525	-3.265	3.310			
265	pi+		211	1	140	-1	-1	-1	0.028	-0.111	-0.553	0.582			
266	pi0		111	2	140	-1	367	368	-0.191	-0.142	-3.629	3.640			
267	k-		-321	1	141	-1	-1	-1	-1.342	-0.788	-6.471	6.673			
268	pi0		111	2	141	-1	369	370	-0.265	-0.014	-2.617	2.634			

269	K0		311	2	142	-1	371	371	-0.338	-0.370	-4.266	4.325	
270	pi+		211	1	142	-1	-1	-1	-0.559	-0.632	-3.070	3.187	
271	K+		321	1	146	-1	-1	-1	0.476	-0.350	-15.526	15.546	
272	pi-		-211	1	146	-1	-1	-1	0.057	0.244	-8.614	8.619	
273	pi-		-211	1	147	-1	-1	-1	0.091	0.420	-23.039	23.043	
274	pi+		211	1	147	-1	-1	-1	-0.183	-0.211	-14.957	14.960	
275	pi+		211	1	148	-1	-1	-1	0.320	-0.505	-15.726	15.738	
276	pi0		111	2	148	-1	372	373	0.816	-0.491	-23.259	23.279	
277	gamma		22	1	149	-1	-1	-1	-0.322	-0.069	-6.267	6.276	-
-	-0.004	0.004											
278	gamma		22	1	149	-1	-1	-1	-0.239	-0.123	-7.390	7.395	-
-	-0.004	0.004											
279	gamma		22	1	150	-1	-1	-1	0.010	0.089	-2.596	2.598	-
-													
280	gamma		22	1	150	-1	-1	-1	-0.071	0.026	-6.127	6.127	-
-													
281	pi-		-211	1	151	-1	-1	-1	-0.017	0.112	-1.828	1.837	
282	pi0		111	2	151	-1	374	375	1.648	0.501	-25.602	25.660	
283	antineutron		-2112	1	152	-1	-1	-1	-0.265	-0.650	-66.691	66.701	
284	pi0		111	2	152	-1	376	377	-0.092	-0.408	-36.574	36.576	
285	proton		2212	1	153	-1	-1	-1	-0.368	-0.301	-22.267	22.292	
286	pi0		111	2	153	-1	378	379	0.117	-0.105	-7.446	7.449	
287	K+		321	1	155	-1	-1	-1	-0.045	0.069	-46.480	46.482	
288	pi-		-211	1	155	-1	-1	-1	-0.279	-0.149	-79.592	79.593	
289	antineutron		-2112	1	156	-1	-1	-1	-0.577	-0.465	-144.233	144.238	
290	pi-		-211	1	156	-1	-1	-1	-0.023	-0.195	-33.005	33.005	
291	gamma		22	1	159	-1	-1	-1	-0.062	0.016	0.011	0.065	-
-													
292	gamma		22	1	159	-1	-1	-1	-0.275	0.266	-0.205	0.434	-
-													
293	gamma		22	1	160	-1	-1	-1	0.006	0.004	0.152	0.152	-
294	gamma		22	1	160	-1	-1	-1	-0.041	0.179	0.237	0.300	-
295	pi+		211	1	161	-1	-1	-1	-0.081	0.050	2.827	2.833	
296	pi0		111	2	161	-1	380	381	-0.056	-0.386	0.458	0.616	
297	pi0		111	2	165	-1	382	383	-0.457	-0.679	-1.559	1.766	
298	pi0		111	2	165	-1	384	385	-0.721	-1.110	-1.933	2.347	
299	pi0		111	2	165	-1	386	387	-0.514	-0.553	-1.140	1.374	
300	K_S0		310	1	166	-1	-1	-1	-0.129	-1.438	-2.242	2.713	
301	gamma		22	1	170	-1	-1	-1	-0.167	0.848	0.220	0.891	-

302	gamma		22	1	170	-1	-1	-1	-0.043	0.044	0.006	0.061	-
303	K_S0		310	1	171	-1	-1	-1	-4.171	5.161	5.701	8.763	
304	gamma		22	1	175	-1	-1	-1	0.095	-0.147	0.611	0.636	
305	gamma		22	1	175	-1	-1	-1	0.149	-0.165	0.383	0.443	
306	gamma		22	1	179	-1	-1	-1	0.103	0.051	0.092	0.147	
307	gamma		22	1	179	-1	-1	-1	0.089	-0.026	-0.029	0.097	
308	gamma		22	1	181	-1	-1	-1	0.011	-0.025	0.126	0.129	-
309	gamma		22	1	181	-1	-1	-1	-0.233	-0.002	1.376	1.396	-
310	gamma		22	1	183	-1	-1	-1	-0.095	0.022	24.093	24.093	-
0.006	0.006												
311	gamma		22	1	183	-1	-1	-1	-0.024	0.019	0.996	0.996	-
0.006	0.006												
312	gamma		22	1	186	-1	-1	-1	0.090	-0.005	-0.228	0.246	
313	gamma		22	1	186	-1	-1	-1	0.086	-0.146	-0.760	0.778	
314	gamma		22	1	188	-1	-1	-1	0.003	0.008	-0.038	0.039	
-0.001	0.001												
315	gamma		22	1	188	-1	-1	-1	0.358	-0.494	-1.394	1.522	
-0.001	0.001												
316	gamma		22	1	190	-1	-1	-1	0.085	0.040	1.319	1.322	
0.001	0.001												
317	gamma		22	1	190	-1	-1	-1	0.133	-0.029	5.016	5.018	
0.001	0.001												
318	gamma		22	1	192	-1	-1	-1	-0.015	0.001	0.493	0.494	
0.005	0.005												
319	gamma		22	1	192	-1	-1	-1	0.115	-0.369	25.677	25.680	
0.005	0.005												
320	gamma		22	1	194	-1	-1	-1	-0.028	-0.013	5.207	5.207	-
0.002	0.002												
321	gamma		22	1	194	-1	-1	-1	0.016	-0.003	0.080	0.082	-
0.002	0.002												
322	gamma		22	1	195	-1	-1	-1	-0.009	-0.046	0.448	0.450	
0.001	0.001												
323	gamma		22	1	195	-1	-1	-1	0.316	-0.495	4.081	4.123	
0.001	0.001												
324	gamma		22	1	196	-1	-1	-1	0.174	-0.281	3.545	3.560	
0.001	0.001												
325	gamma		22	1	196	-1	-1	-1	-0.026	-0.031	0.423	0.425	
0.001	0.001												
326	gamma		22	1	197	-1	-1	-1	0.203	-0.077	1.487	1.502	
327	gamma		22	1	197	-1	-1	-1	0.077	-0.126	1.485	1.492	
328	gamma		22	1	199	-1	-1	-1	-0.155	0.072	0.913	0.929	-
329	gamma		22	1	199	-1	-1	-1	-0.081	0.004	0.145	0.166	-
330	gamma		22	1	201	-1	-1	-1	0.071	-0.023	0.073	0.104	
331	gamma		22	1	201	-1	-1	-1	0.178	0.156	0.316	0.395	
332	gamma		22	1	205	-1	-1	-1	-0.129	0.160	0.185	0.276	-
333	gamma		22	1	205	-1	-1	-1	-0.263	0.334	0.691	0.811	-
334	gamma		22	1	210	-1	-1	-1	0.170	0.014	0.217	0.276	
335	e-		11	1	210	-1	-1	-1	0.016	0.019	0.004	0.026	

336 e+	-11	1	210	-1	-1	-1	0.031	0.037	0.008	0.049	
337 pi0	111	2	217	-1	388	389	0.286	0.146	0.180	0.392	
338 pi0	111	2	217	-1	390	391	-0.034	0.046	0.021	0.148	
339 pi0	111	2	217	-1	392	393	0.130	0.155	0.021	0.244	
340 gamma	22	1	220	-1	-1	-1	0.084	0.298	0.548	0.630	
0.001 0.001											
341 gamma	22	1	220	-1	-1	-1	-0.004	-0.013	0.047	0.049	
0.001 0.001											
342 gamma	22	1	226	-1	-1	-1	-0.121	0.203	3.083	3.092	-
0.002 0.002											
343 gamma	22	1	226	-1	-1	-1	-0.365	0.271	6.721	6.737	-
0.002 0.002											
344 pi-	-211	1	228	-1	-1	-1	-0.072	0.009	13.346	13.347	
345 pi+	211	1	228	-1	-1	-1	-0.393	-0.242	9.501	9.513	
346 pi0	111	2	228	-1	394	395	-0.067	0.047	1.914	1.920	
347 gamma	22	1	231	-1	-1	-1	0.038	0.292	4.236	4.246	
0.001 0.001											
348 gamma	22	1	231	-1	-1	-1	0.012	0.007	1.111	1.111	
0.001 0.001											
349 gamma	22	1	233	-1	-1	-1	-0.098	0.069	1.456	1.461	-
0.007 0.007											
350 gamma	22	1	233	-1	-1	-1	-0.103	0.194	5.238	5.242	-
0.007 0.007											
351 gamma	22	1	235	-1	-1	-1	-0.389	-0.034	9.051	9.059	-
0.005 0.005											
352 gamma	22	1	235	-1	-1	-1	-1.090	0.130	25.050	25.074	-
0.005 0.005											
353 gamma	22	1	238	-1	-1	-1	-0.334	-0.006	21.526	21.528	-
- 0.001 0.001											
354 gamma	22	1	238	-1	-1	-1	-0.097	-0.066	5.175	5.176	-
- 0.001 0.001											
355 gamma	22	1	251	-1	-1	-1	0.010	0.096	-0.016	0.098	
356 gamma	22	1	251	-1	-1	-1	0.187	0.279	0.137	0.363	
357 pi+	211	1	253	-1	-1	-1	0.593	-0.296	-1.093	1.286	
358 pi-	-211	1	253	-1	-1	-1	0.942	0.019	-0.667	1.163	
359 gamma	22	1	256	-1	-1	-1	0.437	0.523	-0.452	0.818	
360 gamma	22	1	256	-1	-1	-1	0.106	0.124	-0.037	0.168	
361 gamma	22	1	259	-1	-1	-1	-0.035	-0.221	-0.928	0.954	-
362 gamma	22	1	259	-1	-1	-1	-0.053	-0.133	-0.281	0.316	-
363 gamma	22	1	261	-1	-1	-1	0.296	-0.124	-1.405	1.441	
- 0.001 0.001											
364 gamma	22	1	261	-1	-1	-1	0.264	-0.106	-0.786	0.836	
- 0.001 0.001											
365 gamma	22	1	263	-1	-1	-1	0.164	-0.083	-0.558	0.588	
366 gamma	22	1	263	-1	-1	-1	0.094	0.040	-0.523	0.532	
367 gamma	22	1	266	-1	-1	-1	-0.205	-0.152	-3.274	3.284	-
368 gamma	22	1	266	-1	-1	-1	0.014	0.010	-0.355	0.356	-

369 gamma			22	1	268	-1	-1	-1	-0.193	-0.070	-1.940	1.950	-
-0.002	0.002												
370 gamma			22	1	268	-1	-1	-1	-0.072	0.055	-0.678	0.684	-
-0.002	0.002												
371 K_L0			130	1	269	-1	-1	-1	-0.338	-0.370	-4.266	4.325	
372 gamma			22	1	276	-1	-1	-1	0.036	-0.009	-1.672	1.673	
373 gamma			22	1	276	-1	-1	-1	0.780	-0.483	-21.586	21.606	
374 gamma			22	1	282	-1	-1	-1	1.356	0.360	-20.554	20.602	
0.001	-0.014	0.014											
375 gamma			22	1	282	-1	-1	-1	0.291	0.141	-5.048	5.058	
0.001	-0.014	0.014											
376 gamma			22	1	284	-1	-1	-1	-0.037	-0.046	-2.588	2.589	-
-0.008	0.008												
377 gamma			22	1	284	-1	-1	-1	-0.056	-0.362	-33.985	33.987	-
-0.008	0.008												
378 gamma			22	1	286	-1	-1	-1	0.035	-0.044	-0.760	0.762	
-0.002	0.002												
379 gamma			22	1	286	-1	-1	-1	0.082	-0.061	-6.685	6.686	
-0.002	0.002												
380 gamma			22	1	296	-1	-1	-1	0.026	-0.164	0.124	0.207	-
381 gamma			22	1	296	-1	-1	-1	-0.081	-0.221	0.334	0.409	-
382 gamma			22	1	297	-1	-1	-1	-0.171	-0.310	-0.800	0.875	-
383 gamma			22	1	297	-1	-1	-1	-0.286	-0.369	-0.759	0.891	-
384 gamma			22	1	298	-1	-1	-1	-0.684	-1.088	-1.892	2.287	-
-0.001	0.001												
385 gamma			22	1	298	-1	-1	-1	-0.037	-0.023	-0.040	0.059	-
-0.001	0.001												
386 gamma			22	1	299	-1	-1	-1	0.002	-0.029	-0.026	0.039	-
387 gamma			22	1	299	-1	-1	-1	-0.516	-0.523	-1.113	1.334	-
388 gamma			22	1	337	-1	-1	-1	0.273	0.111	0.194	0.353	
389 gamma			22	1	337	-1	-1	-1	0.012	0.035	-0.013	0.039	
390 gamma			22	1	338	-1	-1	-1	0.029	0.073	0.012	0.079	-
391 gamma			22	1	338	-1	-1	-1	-0.063	-0.026	0.010	0.069	-
392 gamma			22	1	339	-1	-1	-1	-0.008	0.008	0.040	0.042	
393 gamma			22	1	339	-1	-1	-1	0.138	0.147	-0.019	0.202	
394 gamma			22	1	346	-1	-1	-1	-0.012	-0.012	1.399	1.399	-
0.001	0.001												
395 gamma			22	1	346	-1	-1	-1	-0.056	0.060	0.515	0.521	-
0.001	0.001												
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396 proton			2212	3		-1	-1	-1		98	98		
397 antiproton			-2212	3		-1	-1	-1		-98	98		
398 d			1	3	0	-1	-1	-1	0.211	0.260	15.931	15.935	
399 g			21	3	1	-1	-1	-1	-0.562	0.651	-4.245	4.331	
400 d			1	3	2	-1	-1	-1	0.192	0.236	14.459	14.462	
401 g			21	3	3	-1	-1	-1	-0.100	-0.627	-1.119	1.286	
402 d			1	3	4	5	-1	-1	-0.998	-1.027	14.164	14.240	

403 g	21	3	4	5	-1	-1	1.090	0.636	-0.824	1.507
404 d	1	2	6	-1	19	19	-0.971	-1.000	13.786	13.860
405 g	21	2	7	-1	19	19	0.892	0.987	-0.077	1.333
406 g	21	2	7	-1	19	19	0.171	-0.379	-0.368	0.555
407 g	21	2	3	-1	19	19	-0.012	-0.017	0.551	0.552
408 g	21	2	3	-1	19	19	0.022	0.592	0.409	0.720
409 g	21	2	3	-1	19	19	0.355	0.339	-0.825	0.960
410 g	21	2	3	-1	19	19	-0.999	0.502	-1.723	2.054
411 g	21	2	3	-1	19	19	0.191	-0.115	-0.065	0.232
412 u_bar	-2	2	1	-1	19	19	0.318	-0.550	-3.114	3.195
413 uu_1	2203	2	0	-1	31	31	-0.211	-0.260	963.983	963.983
414 ud_1_bar	-2103	2	1	-1	31	31	0.244	-0.102	-972.555	972.555
415 string	92	2	8	16	20	30	-0.032	0.361	8.572	23.461
416 rho-	-213	2	19	-1	57	58	-0.427	-0.660	9.150	9.206
417 pi0	111	2	19	-1	59	60	-0.212	0.311	2.183	2.219
418 rho+	213	2	19	-1	61	62	0.366	-0.444	0.672	1.302
419 rho-	-213	2	19	-1	63	64	0.133	-0.248	2.180	2.316
420 pi+	211	1	19	-1	-1	-1	0.179	0.675	0.113	0.721
421 pi-	-211	1	19	-1	-1	-1	-0.032	0.513	-0.743	0.914
422 pi+	211	1	19	-1	-1	-1	0.058	0.113	0.008	0.189
423 kappa0	313	2	19	-1	65	66	-0.030	-0.036	-0.683	1.106
424 kappa0_bar	-311	2	19	-1	67	67	-0.600	-0.084	-0.300	0.840
425 eta	221	2	19	-1	68	70	0.852	0.723	-2.108	2.448
426 rho-	-213	2	19	-1	71	72	-0.320	-0.502	-1.900	2.200
427 string	92	2	17	18	32	56	0.032	-0.361	-8.572	1936.539
428 pi+	211	1	31	-1	-1	-1	-0.253	-0.527	324.731	324.731
429 Delta+	2214	2	31	-1	73	74	0.068	0.508	122.734	122.741
430 rho-	-213	2	31	-1	75	76	-0.292	-0.132	459.855	459.855
431 pi+	211	1	31	-1	-1	-1	0.260	0.193	32.830	32.832
432 eta	221	2	31	-1	77	79	-0.114	-0.226	12.874	12.888
433 eta	221	2	31	-1	80	81	0.249	-0.515	2.682	2.796
434 rho-	-213	2	31	-1	82	83	-0.300	0.284	0.543	1.014
435 rho0	113	2	31	-1	84	85	0.362	0.463	1.182	1.501

436	omega	223	2	31	-1	86	87	0.001	0.016	2.836	2.942	
437	k0_bar	-311	2	31	-1	88	88	-0.366	0.188	1.045	1.229	
438	k+	321	1	31	-1	-1	-1	0.438	-0.276	-0.336	0.790	
439	pi0	111	2	31	-1	89	90	-0.535	-0.153	0.191	0.603	
440	Delta-	-2214	2	31	-1	91	92	0.366	0.091	-0.550	1.428	
441	pi-	-211	1	31	-1	-1	-1	0.061	-0.136	-0.764	0.791	
442	Delta++	2224	2	31	-1	93	94	-0.554	-0.110	-0.776	1.657	
443	pi-	-211	1	31	-1	-1	-1	0.182	0.359	0.200	0.470	
444	pi0	111	2	31	-1	95	96	0.013	-0.035	-0.092	0.168	
445	antineutron	-2112	1	31	-1	-1	-1	0.159	0.021	-5.252	5.338	
446	proton	2212	1	31	-1	-1	-1	0.398	-0.078	-3.163	3.325	
447	antiproton	-2212	1	31	-1	-1	-1	-0.787	-0.091	-13.101	13.159	
448	proton	2212	1	31	-1	-1	-1	0.306				
449	pi-	-211	1	31	-1	-1	-1	0.268	-0.853	-22.361	22.380	
450	rho+	213	2	31	-1	97	98	0.302	0.718	-86.770	86.779	
451	Delta--	-2224	2	31	-1	99	100	0.528	-0.118	-433.573	433.576	
452	rho+	213	2	31	-1	101	102	-0.727	-0.299	-333.217	333.219	
453	pi-	-211	1	20	-1	-1	-1	0.009	-0.101	0.578	0.603	
454	pi0	111	2	20	-1	103	104	-0.436	-0.560	8.572	8.603	
455	gamma	22	1	21	-1	-1	-1	-0.138	0.260	1.893	1.916	-
456	gamma	22	1	21	-1	-1	-1	-0.074	0.051	0.290	0.304	-
457	pi+	211	1	22	-1	-1	-1	0.124	-0.701	0.531	0.899	
458	pi0	111	2	22	-1	105	106	0.242	0.256	0.142	0.403	
459	pi-	-211	1	23	-1	-1	-1	-0.021	-0.031	0.033	0.148	
460	pi0	111	2	23	-1	107	108	0.154	-0.218	2.147	2.167	
461	k0	311	2	27	-1	109	109	0.088	-0.014	-0.127	0.521	
462	pi0	111	2	27	-1	110	111	-0.118	-0.022	-0.557	0.585	
463	k_L0	130	1	28	-1	-1	-1	-0.600	-0.084	-0.300	0.840	
464	pi-	-211	1	29	-1	-1	-1	0.136	0.048	-0.421	0.467	
465	pi+	211	1	29	-1	-1	-1	0.224	0.330	-0.647	0.773	
466	pi0	111	2	29	-1	112	113	0.493	0.345	-1.039	1.208	
467	pi-	-211	1	30	-1	-1	-1	-0.390	0.007	-1.437	1.496	
468	pi0	111	2	30	-1	114	115	0.070	-0.508	-0.463	0.704	
469	proton	2212	1	33	-1	-1	-1	-0.082	0.179	87.090	87.095	

470 pi0	111	2	33	-1	116	117	0.150	0.329	35.644	35.646
471 pi-	-211	1	34	-1	-1	-1	0.105	-0.333	163.035	163.035
472 pi0	111	2	34	-1	118	119	-0.397	0.201	296.820	296.820
473 pi+	211	1	36	-1	-1	-1	-0.167	-0.085	5.223	5.228
474 pi-	-211	1	36	-1	-1	-1	-0.036	-0.117	2.813	2.819
475 pi0	111	2	36	-1	120	121	0.090	-0.025	4.838	4.841
476 gamma	22	1	37	-1	-1	-1	0.085	-0.050	0.036	0.105
477 gamma	22	1	37	-1	-1	-1	0.164	-0.465	2.646	2.692
478 pi-	-211	1	38	-1	-1	-1	-0.409	-0.069	0.407	0.598
479 pi0	111	2	38	-1	122	123	0.109	0.353	0.136	0.416
480 pi-	-211	1	39	-1	-1	-1	0.290	0.617	0.984	1.205
481 pi+	211	1	39	-1	-1	-1	0.073	-0.153	0.199	0.296
482 gamma	22	1	40	-1	-1	-1	0.302	0.204	1.859	1.894
483 pi0	111	2	40	-1	124	125	-0.302	-0.187	0.977	1.048
484 k_S0	310	1	41	-1	-1	-1	-0.366	0.188	1.045	1.229
485 gamma	22	1	43	-1	-1	-1	-0.035	-0.002	-0.020	0.041
486 gamma	22	1	43	-1	-1	-1	-0.499	-0.152	0.211	0.563
487 antiproton	-2212	1	44	-1	-1	-1	0.161	0.073	-0.162	0.968
488 pi0	111	2	44	-1	126	127	0.205	0.018	-0.389	0.460
489 proton	2212	1	46	-1	-1	-1	-0.377	-0.150	-0.929	1.381
490 pi+	211	1	46	-1	-1	-1	-0.177	0.040	0.153	0.275
491 gamma	22	1	48	-1	-1	-1	0.002	-0.032	-0.127	0.131
492 gamma	22	1	48	-1	-1	-1	0.011	-0.003	0.035	0.037
493 pi+	211	1	54	-1	-1	-1	-0.205	-0.099	-23.435	23.436
494 pi0	111	2	54	-1	128	129	0.507	0.817	-63.335	63.343
495 antiproton	-2212	1	55	-1	-1	-1	0.258	-0.325	-358.285	358.286
496 pi-	-211	1	55	-1	-1	-1	0.270	0.207	-75.288	75.289
497 pi+	211	1	56	-1	-1	-1	-0.052	-13.949	13.950	
498 pi0	111	2	56	-1	130	131	-0.728	-0.247	-319.269	319.270
499 gamma	22	1	58	-1	-1	-1	-0.081	-0.187	2.052	2.062
500 gamma	22	1	58	-1	-1	-1	-0.355	-0.373	6.521	6.541
501 gamma	22	1	62	-1	-1	-1	0.079	0.012	0.055	0.097
502 gamma	22	1	62	-1	-1	-1	0.163	0.244	0.087	0.306

503	gamma		22	1	64	-1	-1	-1	0.064	-0.170	1.012	1.029	
-	0.001	0.001											
504	gamma		22	1	64	-1	-1	-1	0.089	-0.048	1.134	1.139	
-	0.001	0.001											
505	K_L0		130	1	65	-1	-1	-1	0.088	-0.014	-0.127	0.521	
506	gamma		22	1	66	-1	-1	-1	-0.100	-0.048	-0.536	0.548	-
507	gamma		22	1	66	-1	-1	-1	-0.018	0.026	-0.020	0.038	-
508	gamma		22	1	70	-1	-1	-1	0.292	0.129	-0.592	0.673	
509	gamma		22	1	70	-1	-1	-1	0.200	0.216	-0.447	0.535	
510	gamma		22	1	72	-1	-1	-1	0.103	-0.252	-0.232	0.358	
511	gamma		22	1	72	-1	-1	-1	-0.033	-0.256	-0.232	0.347	
512	gamma		22	1	74	-1	-1	-1	0.088	0.186	26.100	26.101	
0.009	0.009												
513	gamma		22	1	74	-1	-1	-1	0.062	0.144	9.544	9.545	
0.009	0.009												
514	gamma		22	1	76	-1	-1	-1	-0.072	0.033	26.913	26.913	-
0.002	0.002												
515	gamma		22	1	76	-1	-1	-1	-0.325	0.168	269.907	269.907	-
0.002	0.002												
516	gamma		22	1	79	-1	-1	-1	0.057	-0.051	1.161	1.163	
517	gamma		22	1	79	-1	-1	-1	0.033	0.027	3.677	3.677	
518	gamma		22	1	83	-1	-1	-1	0.013	0.141	0.115	0.182	
519	gamma		22	1	83	-1	-1	-1	0.096	0.213	0.021	0.234	
520	gamma		22	1	87	-1	-1	-1	-0.018	0.012	0.147	0.149	-
521	gamma		22	1	87	-1	-1	-1	-0.284	-0.200	0.830	0.899	-
522	gamma		22	1	92	-1	-1	-1	0.062	0.017	-0.260	0.268	
523	gamma		22	1	92	-1	-1	-1	0.143				
0.001	-0.129	0.192		-									
524	gamma		22	1	98	-1	-1	-1	0.405	0.684	-55.144	55.149	
-0.009	0.009												
525	gamma		22	1	98	-1	-1	-1	0.102	0.133	-8.192	8.193	
-0.009	0.009												
526	gamma		22	1	102	-1	-1	-1	-0.448	-0.084	-179.379	179.379	-
-0.082	0.082												
527	gamma		22	1	102	-1	-1	-1	-0.280	-0.163	-139.890	139.890	-
-0.082	0.082												
----- interaction 2 -----													
528	proton		2212	3		-1	-1	-1		98	98		
529	antiproton		-2212	3		-1	-1	-1		-98	98		
530	*** unknown ***		9902210	3		0	-1	-1	-0.131	-0.097	889.914	1070.086	
531	antiproton		-2212	3		1	-1	-1	0.131	0.097	-889.914	889.914	
532	uu_1		2203	2		2	-1	8	-0.144	-0.106	976.526	976.526	
533	g		21	2		2	-1	8	0.013	0.010	-90.078	90.078	
534	d		1	2		2	-1	8	-0.001	-	3.466	3.481	
535	antiproton		-2212	1		3	-1	-1	0.131	0.097	-889.914	889.914	
536	string		92	2		4	6	9	-0.131	-0.097	889.914	1070.086	

537 pi+	211	1	8	-1	-1	-1	-0.213	-0.116	22.829	22.831
538 neutron	2112	1	8	-1	-1	-1	-0.331	-0.095	427.732	427.733
539 omega	223	2	8	-1	32	34	0.006	0.300	117.117	117.120
540 rho+	213	2	8	-1	35	36	0.614	0.023	124.604	124.607
541 omega	223	2	8	-1	37	39	-0.104	-0.234	134.679	134.681
542 pi-	-211	1	8	-1	-1	-1	-0.329	0.067	7.471	7.480
543 rho+	213	2	8	-1	40	41	0.500	0.022	105.540	105.543
544 omega	223	2	8	-1	42	44	-0.674	-0.319	19.726	19.758
545 pi-	-211	1	8	-1	-1	-1	0.386	0.516	10.148	10.169
546 rho+	213	2	8	-1	45	46	0.044	-0.431	5.165	5.245
547 antiproton	-2212	1	8	-1	-1	-1	0.113	0.180	0.184	0.979
548 neutron	2112	1	8	-1	-1	-1	-0.678	-0.404	-1.331	1.810
549 Delta0_bar	-2114	2	8	-1	47	48	0.911	0.476	-1.753	2.388
550 Delta0	2114	2	8	-1	49	50	-0.503	-0.595	-2.194	2.649
551 rho0	113	2	8	-1	51	52	0.235	0.836	-12.208	12.263
552 rho0	113	2	8	-1	53	54	-0.091	-0.027	-6.081	6.126
553 omega	223	2	8	-1	55	57	0.160	-0.750	-47.844	47.857
554 K*0_bar	-313	2	8	-1	58	59	-0.525	0.374	-8.080	8.154
555 Sigma*0_bar	-3214	2	8	-1	60	61	0.188	1.145	-3.400	3.854
556 rho0	113	2	8	-1	62	63	0.534	-1.577	-1.977	2.696
557 proton	2212	1	8	-1	-1	-1	-0.314	0.864	-2.947	3.226
558 rho0	113	2	8	-1	64	65	-0.134	-0.634	1.221	1.563
559 pi-	-211	1	8	-1	-1	-1	0.075	0.284	1.315	1.354
560 pi+	211	1	11	-1	-1	-1	-0.026	0.009	51.023	51.024
561 pi-	-211	1	11	-1	-1	-1	-0.144	-0.010	34.383	34.384
562 pi0	111	2	11	-1	66	67	0.176	0.300	31.710	31.713
563 pi+	211	1	12	-1	-1	-1	-0.010	-0.102	28.977	28.978
564 pi0	111	2	12	-1	68	69	0.624	0.124	95.627	95.629
565 pi-	-211	1	13	-1	-1	-1	-0.008	0.051	34.324	34.324
566 pi+	211	1	13	-1	-1	-1	-0.086	0.129	44.981	44.982
567 pi0	111	2	13	-1	70	71	-0.009	-0.414	55.373	55.375
568 pi+	211	1	15	-1	-1	-1	0.013	-0.067	47.316	47.316
569 pi0	111	2	15	-1	72	73	0.487	0.089	58.224	58.227
570 pi-	-211	1	16	-1	-1	-1	-0.018	-0.021	1.184	1.193

571 pi+			211	1	16	-1	-1	-1	-0.278	-0.409	11.856	11.867	
572 pi0			111	2	16	-1	74	75	-0.377	0.110	6.686	6.698	
573 pi+			211	1	18	-1	-1	-1	0.389	-0.192	3.104	3.137	
574 pi0			111	2	18	-1	76	77	-0.345	-0.238	2.061	2.107	
575 antineutron			-2112	1	21	-1	-1	-1	0.975	0.524	-1.659	2.205	
576 pi0			111	2	21	-1	78	79	-0.065	-0.048	-0.094	0.183	
577 neutron			2112	1	22	-1	-1	-1	-0.165	-0.300	-1.306	1.645	
578 pi0			111	2	22	-1	80	81	-0.338	-0.295	-0.888	1.004	
579 pi-			-211	1	23	-1	-1	-1	0.051	-0.065	-0.750	0.768	
580 pi+			211	1	23	-1	-1	-1	0.184	0.901	-11.458	11.496	
581 pi-			-211	1	24	-1	-1	-1	-0.174	-0.324	-2.922	2.948	
582 pi+			211	1	24	-1	-1	-1	0.083	0.297	-3.160	3.178	
583 pi+			211	1	25	-1	-1	-1	-0.150	-0.389	-20.370	20.375	
584 pi-			-211	1	25	-1	-1	-1	0.271	-0.063	-10.687	10.691	
585 pi0			111	2	25	-1	82	83	0.039	-0.299	-16.787	16.790	
586 k-			-321	1	26	-1	-1	-1	-0.561	0.158	-4.526	4.590	
587 pi+			211	1	26	-1	-1	-1	0.037	0.216	-3.554	3.564	
588 sigma+			-3112	1	27	-1	-1	-1	0.194	0.839	-2.844	3.204	
589 pi-			-211	1	27	-1	-1	-1	-0.006	0.306	-0.556	0.650	
590 pi-			-211	1	28	-1	-1	-1	-0.056	-0.476	-0.947	1.070	
591 pi+			211	1	28	-1	-1	-1	0.589	-1.101	-1.030	1.625	
592 pi+			211	1	30	-1	-1	-1	0.026	-0.239	1.044	1.080	
593 pi-			-211	1	30	-1	-1	-1	-0.160	-0.396	0.177	0.483	
594 gamma			22	1	34	-1	-1	-1	0.150	0.239	29.054	29.055	
0.009 0.009			22	1	34	-1	-1	-1	0.026	0.061	2.657	2.657	
595 gamma			22	1	34	-1	-1	-1	0.026	0.061	2.657	2.657	
0.009 0.009			22	1	34	-1	-1	-1	0.026	0.061	2.657	2.657	
596 gamma			22	1	36	-1	-1	-1	0.470	0.107	79.655	79.656	
0.032 0.032			22	1	36	-1	-1	-1	0.470	0.107	79.655	79.656	
597 gamma			22	1	36	-1	-1	-1	0.154	0.017	15.972	15.973	
0.032 0.032			22	1	36	-1	-1	-1	0.154	0.017	15.972	15.973	
598 gamma			22	1	39	-1	-1	-1	0.061	-0.178	25.954	25.955	-
0.005			22	1	39	-1	-1	-1	0.061	-0.178	25.954	25.955	-
599 gamma			22	1	39	-1	-1	-1	-0.070	-0.236	29.419	29.420	-
- 0.005 0.005			22	1	39	-1	-1	-1	-0.070	-0.236	29.419	29.420	-
600 gamma			22	1	41	-1	-1	-1	0.252	0.048	22.449	22.450	
0.006 0.006			22	1	41	-1	-1	-1	0.252	0.048	22.449	22.450	
601 gamma			22	1	41	-1	-1	-1	0.235	0.041	35.776	35.777	
0.006 0.006			22	1	41	-1	-1	-1	0.235	0.041	35.776	35.777	
602 gamma			22	1	44	-1	-1	-1	-0.240	0.001	3.795	3.803	-
0.001 0.001			22	1	44	-1	-1	-1	-0.240	0.001	3.795	3.803	-
603 gamma			22	1	44	-1	-1	-1	-0.136	0.109	2.890	2.896	-

0.001	0.001												
604	gamma	22	1	46	-1	-1	-1	-0.289	-0.145	1.700	1.731	-	
605	gamma	22	1	46	-1	-1	-1	-0.055	-0.093	0.361	0.377	-	
606	gamma	22	1	48	-1	-1	-1	-0.039	-0.020	0.030	0.053	-	
607	gamma	22	1	48	-1	-1	-1	-0.026	-0.028	-0.124	0.130	-	
608	gamma	22	1	50	-1	-1	-1	-0.154	-0.197	-0.584	0.636	-	
609	gamma	22	1	50	-1	-1	-1	-0.184	-0.098	-0.304	0.368	-	
610	gamma	22	1	57	-1	-1	-1	0.038	-0.253	-15.894	15.896	-	
-0.001	0.001												
611	gamma	22	1	57	-1	-1	-1	-0.046	-0.893	0.895	-	-	

Run,Event: 194323,25489 Rs: 13 : >>> TStnAna: Processed 64500 events

		interaction 0										
i	name	PDG	SC	FM	SM	FD	SD	px	py	pz	e	vx
0	proton	2212	3		-1	-1	-1		98	98		
1	antiproton	-2212	3		-1	-1	-1		-98	98		
2	g	21	3		0	-1	-1	-1	-0.731	-0.712	295.847	295.849
3	d_bar	-1	3		1	-1	-1	-1	-0.486	0.889	-112.083	112.088
4	u	2	3		2	-1	-1	-1	-1.412	-1.357	74.852	74.877
5	d_bar	-1	3		3	-1	-1	-1	4.413	-10.471	-19.370	22.457
6	w+	24	3		4	5	-1	-1	3.002	-11.828	55.482	97.334
7	e+	-11	3		6	-1	-1	-1	36.720	-16.050	11.380	41.659
8	nu_e	12	3		6	-1	-1	-1	-33.718	4.222	44.102	55.675
9	w+	24	2		6	-1	10	11	3.002	-11.828	55.482	97.334
10	e+	-11	1		7	-1	-1	-1	36.720	-16.050	11.380	41.659
11	nu_e	12	1		8	-1	-1	-1	-33.718	4.222	44.102	55.675
12	u_bar	-2	2		2	-1	66	66	2.141	-0.380	0.712	2.312
13	g	21	2		2	-1	66	66	-0.036	0.559	-0.373	0.673
14	g	21	2		2	-1	66	66	-0.593	0.079	8.727	8.748
15	g	21	2		2	-1	66	66	-0.485	-0.227	207.353	207.354
16	d	1	2		0	-1	66	66	0.614	0.476	1.526	1.744
17	u	2	2		-1	-1	80	80	1.099	0.121	11.893	11.944
18	g	21	2		-1	-1	80	80	-0.001	0.545	9.571	9.586
19	g	21	2		-1	-1	80	80	-0.393	-0.015	1.057	1.128
20	u_bar	-2	2		-1	-1	80	80	-1.099	-0.121	1.046	1.522
21	u	2	2		-1	-1	85	85	0.012	-0.926	0.732	1.180
22	g	21	2		-1	-1	85	85	0.089	0.669	0.098	0.682
23	u_bar	-2	2		-1	-1	85	85	-0.012	0.926	0.159	0.940

24 uu_1	2203	2	0	-1	89	89	0.117	0.236	270.789	270.790
25 g	21	2	-1	-1	89	89	-4.398	-0.547	197.123	197.172
26 g	21	2	-1	-1	89	89	-0.187	0.082	24.709	24.710
27 g	21	2	-1	-1	89	89	-0.553	0.009	28.378	28.384
28 g	21	2	-1	-1	89	89	-0.985	-1.821	28.819	28.893
29 g	21	2	-1	-1	89	89	0.001	-0.545	6.281	6.304
30 g	21	2	-1	-1	89	89	-0.367	-1.245	12.006	12.076
31 g	21	2	-1	-1	89	89	4.398	0.547	29.728	30.056
32 g	21	2	-1	-1	89	89	2.150	0.956	-0.207	2.362
33 g	21	2	-1	-1	89	89	0.690	0.594	0.143	0.922
34 g	21	2	-1	-1	89	89	0.393	0.015	0.099	0.406
35 g	21	2	-1	-1	89	89	0.876	0.743	-0.032	1.149
36 g	21	2	-1	-1	89	89	0.553	-0.009	-0.413	0.691
37 g	21	2	-1	-1	89	89	0.187	-0.082	-0.208	0.291
38 g	21	2	-1	-1	89	89	1.267	0.340	-0.432	1.381
39 g	21	2	-1	-1	89	89	1.877	2.261	-1.501	3.300
40 g	21	2	-1	-1	89	89	-0.187	1.222	-0.624	1.384
41 g	21	2	-1	-1	89	89	0.310	2.214	-3.431	4.096
42 g	21	2	-1	-1	89	89	-1.856	1.208	-13.096	13.282
43 g	21	2	-1	-1	89	89	-1.267	-0.340	-21.596	21.636
44 g	21	2	-1	-1	89	89	-0.690	-0.594	-8.706	8.754
45 g	21	2	-1	-1	89	89	-0.876	-0.743	-19.456	19.489
46 g	21	2	-1	-1	89	89	-0.310	-2.214	-188.762	188.775
47 g	21	2	-1	-1	89	89	0.622	-0.323	-2.504	2.600
48 g	21	2	3	-1	89	89	-0.265	-0.004	0.020	0.266
49 g	21	2	3	-1	89	89	-0.996	2.505	-5.013	5.692
50 g	21	2	3	-1	89	89	-5.113	7.112	-16.462	18.647
51 g	21	2	3	-1	89	89	0.358	0.831	-1.911	2.114
52 g	21	2	3	-1	89	89	0.770	1.529	-64.773	64.795
53 uu_1_bar	-2203	2	1	-1	89	89	0.486	-0.889	-581.098	581.099
54 g	21	2	-1	-1	141	141	2.276	3.109	22.145	22.478
55 g	21	2	-1	-1	141	141	-0.089	-0.669	2.099	2.205
56 g	21	2	-1	-1	141	141	0.187	-1.222	3.182	3.413

57 g			21	2	-1	-1	141	141	0.565	-1.623	0.831	1.909
58 g			21	2								
-1	-1	141	141	1.856	-1.208	-0.674	2.315					
59 g			21	2	-1	-1	141	141	-2.276	-3.109	-9.012	9.801
60 g			21	2	-1	-1	141	141	-1.877	-2.261	-4.836	5.659
61 g			21	2	-1	-1	141	141	-2.150	-0.956	-0.898	2.519
62 g			21	2	-1	-1	141	141	-0.622	0.323	-0.251	0.745
63 g			21	2	-1	-1	141	141	-0.565	1.623	4.022	4.374
64 g			21	2	-1	-1	141	141	0.367	1.245	3.628	3.854
65 g			21	2	-1	-1	141	141	0.985	1.821	13.910	14.063
66 string			92	2	12	16	67	79	1.642	0.507	217.947	220.832
67 rho-			-213	2	66	-1	170	171	0.238	-0.655	0.293	1.198
68 rho+			213	2	66	-1	172	173	2.025	0.629	2.126	3.131
69 pi-			-211	1	66	-1	-1	-1	-0.105	0.335	-0.178	0.418
70 Delta+			-1114	2	66	-1	174	175	-0.177	0.189	20.938	20.981
71 pi-			-211	1	66	-1	-1	-1	-0.488	-1.005	19.908	19.940
72 neutron			2112	1	66	-1	-1	-1	0.009	0.503	9.346	9.407
73 k*0_bar			-313	2	66	-1	176	177	-0.011	0.241	55.923	55.930
74 Lambda0_bar			-3122	1	66	-1	-1	-1	-0.750	-0.312	72.310	72.323
75 proton			2212	1	66	-1	-1	-1	0.292	0.024	12.581	12.620
76 pi0			111	2	66	-1	178	179	0.293	0.691	4.460	4.525
77 rho-			-213	2	66	-1	180	181	-0.107	-0.097	8.220	8.253
78 rho+			213	2	66	-1	182	183	0.342	0.232	11.169	11.199
79 pi-			-211	1	66	-1	-1	-1	0.080	-0.267	0.851	0.906
80 string			92	2	17	20	81	84	-0.394	0.531	23.567	24.181
81 k*+			323	2	80	-1	184	185	0.456	0.116	10.181	10.231
82 k*0_bar			-313	2	80	-1	186	187	0.750	-0.116	6.507	6.613
83 pi-			-211	1	80	-1	-1	-1	-1.069	0.567	5.683	5.812
84 omega			223	2	80	-1	188	190	-0.532	-0.036	1.196	1.525
85 string			92	2	21	23	86	88	0.089	0.669	0.988	2.802
86 pi+			211	1	85	-1	-1	-1	-0.252	-0.496	0.150	0.593
87 rho0			113	2	85	-1	191	192	0.570	1.184	0.226	1.541
88 pi-			-211	1	85	-1	-1	-1	-0.229	-0.019	0.612	0.668
89 string			92	2	24	53	90	140	-2.993	13.047	-332.130	1541.517
90 omega			223	2	89	-1	193	195	-0.071	-0.099	123.062	123.064

91	Delta++	2224	2	89	-1	196	197	-0.583	-0.145	123.945	123.953
92	rho-	-213	2	89	-1	198	199	-0.644	-0.186	51.368	51.379
93	rho+	213	2	89	-1	200	201	-0.329	0.352	57.172	57.179
94	rho-	-213	2	89	-1	202	203	-3.593	-0.824	164.165	164.207
95	pi+	211	1	89	-1	-1	-1	0.034	-0.674	10.480	10.503
96	pi-	-211	1	89	-1	-1	-1	-0.710	-0.304	11.031	11.058
97	rho+	213	2	89	-1	204	205	0.189	-0.006	7.997	8.045
98	rho-	-213	2	89	-1	206	207	0.556	-0.925	15.881	15.959
99	rho+	213	2	89	-1	208	209	0.948	-0.349	7.440	7.553
100	κ*-	-323	2	89	-1	210	211	0.300	-0.505	9.825	9.884
101	κ*0	313	2	89	-1	212	213	-0.048	0.772	3.118	3.331
102	eta'	331	2	89	-1	214	216	2.185	-0.732	8.524	8.882
103	antineutron	-2112	1	89	-1	-1	-1	0.779	1.220	1.493	2.282
104	eta	221	2	89	-1	217	219	0.157	-0.525	0.779	1.099
105	Lambda0	3122	1	89	-1	-1	-1	1.005	1.302	0.461	2.040
106	eta'	331	2	89	-1	220	222	1.608	-0.190	-0.036	1.882
107	κ*+	323	2	89	-1	223	224	0.759	0.202	-0.017	1.247
108	omega	223	2	89	-1	225	227	1.372	1.337	0.197	2.046
109	pi-	-211	1	89	-1	-1	-1	0.381	0.648	-1.258	1.472
110	omega	223	2	89	-1	228	230	0.409	0.760	-0.694	1.359
111	eta	221	2	89	-1	231	233	0.178	0.978	-0.933	1.469
112	omega	223	2	89	-1	234	236	0.601	1.461	-1.862	2.565
113	Delta+	-1114	2	89	-1	237	238	-0.073	0.431	-1.489	2.014
114	Delta-	1114	2	89	-1	239	240	-0.347	0.559	-2.638	2.997
115	pi0	111	2	89	-1	241	242	-0.599	-0.037	-5.632	5.665
116	κ*0_bar	-313	2	89	-1	243	244	0.280	0.434	-10.184	10.239
117	κ*0	313	2	89	-1	245	246	-0.489	0.821	-4.932	5.106
118	rho+	213	2	89	-1	247	248	-0.510	-0.620	-10.984	11.044
119	κ*-	-323	2	89	-1	249	250	-0.253	0.328	-22.942	22.962
120	κ0	311	2	89	-1	251	251	-1.069	-1.171	-66.726	66.746
121	pi0	111	2	89	-1	252	253	-0.491	0.164	-11.436	11.448
122	pi0	111	2	89	-1	254	255	0.209	0.021	-3.118	3.128
123	pi0	111	2	89	-1	256	257	-0.846	-1.378	-32.372	32.413

124 pi0	111	2	89	-1	258	259	-0.425	-0.120	-55.077	55.079
125 pi+	211	1	89	-1	-1	-1	-0.268	-0.626	-12.025	12.045
126 rho-	-213	2	89	-1	260	261	0.928	-0.171	-9.298	9.373
127 pi0	111	2	89	-1	262	263	-0.312	0.092	-3.957	3.972
128 pi+	211	1	89	-1	-1	-1	-0.116	-0.293	-1.807	1.839
129 Delta-	-2214	2	89	-1	264	265	-1.172	2.031	-4.933	5.593
130 pi-	-211	1	89	-1	-1	-1	-1.490	2.719	-4.838	5.748
131 Delta++	2224	2	89	-1	266	267	-0.640	1.096	-4.506	4.845
132 pi0	111	2	89	-1	268	270	-0.961	2.101	-3.971	4.597
133 pi-	-211	1	89	-1	-1	-1	-1.127	1.981	-4.214	4.793
134 rho+	213	2	89	-1	271	272	0.166	0.051	-11.882	11.910
135 rho0	113	2	89	-1	273	274	-0.257	0.673	-5.997	6.103
136 rho-	-213	2	89	-1	275	276	0.614	0.035	-11.525	11.583
137 rho0	113	2	89	-1	277	278	-0.411	0.339	-34.741	34.752
138 omega	223	2	89	-1	279	281	0.375	0.519	-41.625	41.637
139 rho+	213	2	89	-1	282	283	0.580	-0.817	-252.991	252.993
140 Delta--	-2224	2	89	-1	284	285	0.223	0.318	-288.429	288.432
141 string	92	2	54	65	142	169	-1.344	-2.926	34.145	73.334
142 pi-	-211	1	141	-1	-1	-1	-0.473	-0.788	-0.893	1.289
143 pi+	211	1	141	-1	-1	-1	-1.578	-2.281	-5.687	6.329
144 pi-	-211	1	141	-1	-1	-1	-0.107	0.337	0.039	0.382
145 omega	223	2	141	-1	286	288	-1.608	-2.385	-5.167	5.966
146 rho+	213	2	141	-1	289	290	-0.096	0.343	-0.269	0.874
147 pi0	111	2	141	-1	291	292	-0.553	-0.719	-0.987	1.347
148 omega	223	2	141	-1	293	295	-0.698	-0.442	-0.214	1.159
149 pi0	111	2	141	-1	296	297	0.030	0.144	-0.105	0.226
150 pi0	111	2	141	-1	298	299	-0.972	0.041	0.498	1.101
151 Delta--	-2224	2	141	-1	300	301	0.732	0.068	1.316	1.991
152 pi+	211	1	141	-1	-1	-1	-0.963	1.066	2.426	2.823
153 Delta+	2214	2	141	-1	302	303	0.923	0.910	7.177	7.400
154 pi-	-211	1	141	-1	-1	-1	-0.290	0.352	0.225	0.527
155 eta'	331	2	141	-1	304	306	1.322	1.053	6.881	7.150
156 pi+	211	1	141	-1	-1	-1	-0.850	1.066	3.876	4.111
157 rho-	-213	2	141	-1	307	308	0.824	1.375	5.989	6.240

158 omega	223	2	141	-1	309	311	-0.236	-0.331	7.817	7.865
159 omega	223	2	141	-1	312	314	0.975	-0.053	4.781	4.942
160 pi0	111	2	141	-1	315	316	0.548	0.729	2.383	2.555
161 pi+	211	1	141	-1	-1	-1	0.059	-0.346	0.756	0.845
162 omega	223	2	141	-1	317	318	0.777	-0.754	-0.250	1.353
163 kappa*-	-323	2	141	-1	319	320	0.315	-0.546	1.547	1.889
164 kappa*+	323	2	141	-1	321	322	0.074	-0.313	1.387	1.685
165 pi-	-211	1	141	-1	-1	-1	0.043	-0.027	0.212	0.259
166 pi+	211	1	141	-1	-1	-1	-0.343	0.370	0.316	0.611
167 pi-	-211	1	141	-1	-1	-1	0.248	-1.154	0.228	1.210
168 rho0	113	2	141	-1	323	324	0.344	-0.277	-0.195	0.758
169 pi+	211	1	141	-1	-1	-1	0.210	-0.363	0.061	0.446
170 pi-	-211	1	67	-1	-1	-1	0.265	0.147	0.174	0.376
171 pi0	111	2	67	-1	325	326	-0.026	-0.802	0.119	0.822
172 pi+	211	1	68	-1	-1	-1	1.529	0.540	1.054	1.939
173 pi0	111	2	68	-1	327	328	0.496	0.090	1.072	1.192
174 antineutron	-2112	1	70	-1	-1	-1	-0.062	0.137	20.110	20.133
175 pi+	211	1	70	-1	-1	-1	-0.116	0.052	0.827	0.848
176 kappa-	-321	1	73	-1	-1	-1	0.187	0.169	23.078	23.084
177 pi+	211	1	73	-1	-1	-1	-0.198	0.073	32.845	32.846
178 gamma	22	1	76	-1	-1	-1	0.073	0.077	0.473	0.484
179 gamma	22	1	76	-1	-1	-1	0.220	0.614	3.988	4.041
180 pi-	-211	1	77	-1	-1	-1	0.127	0.213	4.782	4.790
181 pi0	111	2	77	-1	329	330	-0.234	-0.311	3.438	3.463
182 pi+	211	1	78	-1	-1	-1	0.526	0.136	7.346	7.368
183 pi0	111	2	78	-1	331	332	-0.184	0.096	3.823	3.831
184 kappa0	311	2	81	-1	333	333	0.254	0.156	9.215	9.233
185 pi+	211	1	81	-1	-1	-1	0.202	-0.040	0.966	0.997
186 kappa0_bar	-311	2	82	-1	334	334	0.118	-0.032	3.391	3.430
187 pi0	111	2	82	-1	335	336	0.632	-0.084	3.116	3.183
188 pi+	211	1	84	-1	-1	-1	0.024	0.005	0.462	0.483
189 pi-	-211	1	84	-1	-1	-1	-0.056	-0.139	0.143	0.250
190 pi0	111	2	84	-1	337	338	-0.500	0.098	0.591	0.792

191 pi+			211	1	87	-1	-1	-1	0.038	0.748	-0.098	0.768
192 pi-			-211	1	87	-1	-1	-1	0.532	0.436	0.324	0.773
193 pi+			211	1	90	-1	-1	-1	-0.289	0.054	49.080	49.081
194 pi-			-211	1	90	-1	-1	-1	0.193	-0.041	58.090	58.090
195 pi0			111	2	90	-1	339	340	0.025	-0.111	15.892	15.893
196 proton			2212	1	91	-1	-1	-1	-0.327	0.093	97.779	97.784
197 pi+			211	1	91	-1	-1	-1	-0.256	-0.238	26.166	26.169
198 pi-			-211	1	92	-1	-1	-1	0.150	-0.069	14.293	14.294
199 pi0			111	2	92	-1	341	342	-0.794	-0.117	37.076	37.085
200 pi+			211	1	93	-1	-1	-1	-0.566	0.285	36.582	36.588
201 pi0			111	2	93	-1	343	344	0.237	0.067	20.589	20.591
202 pi-			-211	1	94	-1	-1	-1	-2.773	-0.824	121.315	121.349
203 pi0			111	2	94	-1	345	346	-0.819	42.850	42.858	
204 pi+			211	1	97	-1	-1	-1	0.173	-0.292	6.707	6.717
205 pi0			111	2	97	-1	347	348	0.016	0.286	1.290	1.328
206 pi-			-211	1	98	-1	-1	-1	0.726	-0.387	5.652	5.713
207 pi0			111	2	98	-1	349	350	-0.170	-0.538	10.229	10.245
208 pi+			211	1								
99	-1	-1	-1	-0.006	-0.277	2.550	2.569					
209 pi0			111	2	99	-1	351	352	0.954	-0.072	4.890	4.984
210 k0_bar			-311	2	100	-1	353	353	-0.125	-0.273	5.334	5.366
211 pi-			-211	1	100	-1	-1	-1	0.425	-0.232	4.490	4.518
212 k+			321	1	101	-1	-1	-1	-0.236	0.741	2.262	2.442
213 pi-			-211	1	101	-1	-1	-1	0.188	0.031	0.857	0.889
214 pi+			211	1	102	-1	-1	-1	0.132	-0.071	0.641	0.673
215 pi-			-211	1	102	-1	-1	-1	0.330	-0.209	1.782	1.830
216 eta			221	2	102	-1	354	356	1.723	-0.453	6.100	6.378
217 pi0			111	2	104	-1	357	358	0.175	-0.333	0.445	0.598
218 pi0			111	2	104	-1	359	360	-0.051	-0.012	0.123	0.190
219 pi0			111	2	104	-1	361	362	0.033	-0.180	0.212	0.311
220 pi0			111	2	106	-1	363	364	0.181	-0.041	-0.147	0.272
221 pi0			111	2	106	-1	365	366	0.411	-0.003	0.106	0.445
222 eta			221	2	106	-1	367	368	1.017	-0.145	0.006	1.164
223 k0			311	2	107	-1	369	369	0.558	0.449	0.105	0.878
224 pi+			211	1	107	-1	-1	-1	0.201	-0.247	-0.122	0.368

258 gamma		22	1	124	-1	-1	-1	-0.304	-0.058	-30.810	30.812	-
- 259 gamma	0.004	22	1	124	-1	-1	-1	-0.121	-0.062	-24.267	24.267	-
- 260 pi-	0.004	-211	1	126	-1	-1	-1	0.044	0.114	-2.883	2.889	-
261 pi0		111	2	126	-1	385	386	0.884	-0.285	-6.415	6.483	-
262 gamma		22	1	127	-1	-1	-1	-0.027	-0.031	-0.472	0.474	-
- 263 gamma		22	1	127	-1	-1	-1	-0.286	0.123	-3.484	3.498	-
- 264 antiproton		-2212	1	129	-1	-1	-1	-0.758	1.621	-4.060	4.535	-
265 pi0		111	2	129	-1	387	388	-0.415	0.410	-0.872	1.058	-
266 proton		2212	1	131	-1	-1	-1	-0.231	0.800	-3.063	3.310	-
267 pi+		211	1	131	-1	-1	-1	-0.409	0.295	-1.443	1.535	-
268 gamma		22	1	132	-1	-1	-1	-0.506	1.165	-2.307	2.633	-
- 269 e+		-11	1	132	-1	-1	-1	-0.082	0.172	-0.305	0.360	-
- 270 e-		11	1	132	-1	-1	-1	-0.373	0.764	-1.360	1.603	-
- 271 pi+		211	1	134	-1	-1	-1	-0.151	-0.270	-5.229	5.240	-
272 pi0		111	2	134	-1	389	390	0.317	0.321	-6.654	6.670	-
273 pi-		-211	1	135	-1	-1	-1	-0.448	0.718	-3.920	4.013	-
274 pi+		211	1	135	-1	-1	-1	0.191	-0.045	-2.076	2.090	-
275 pi-		-211	1	136	-1	-1	-1	0.746	0.284	-7.023	7.069	-
276 pi0		111	2	136	-1	391	392	-0.132	-0.249	-4.502	4.513	-
277 pi-		-211	1	137	-1	-1	-1	0.164	0.127	-8.447	8.451	-
278 pi+		211	1	137	-1	-1	-1	-0.575	0.213	-26.294	26.301	-
279 pi-		-211	1	138	-1	-1	-1	0.404	0.178	-24.973	24.977	-
280 pi+		211	1	138	-1	-1	-1	0.037	0.282	-7.944	7.950	-
281 pi0		111	2	138	-1	393	394	-0.066	0.059	-8.708	8.710	-
282 pi+		211	1	139	-1	-1	-1	-0.020	-0.257	-113.299	113.300	-
283 pi0		111	2	139	-1	395	396	0.600	-0.560	-139.691	139.694	-
- 284 antiproton		-2212	1	140	-1	-1	-1	0.110	0.394	-271.629	271.631	-
285 pi-		-211	1	140	-1	-1	-1	0.113	-0.076	-16.800	16.801	-
286 pi+		211	1	145	-1	-1	-1	-0.069	-0.426	-0.692	0.827	-
287 pi-		-211	1	145	-1	-1	-1	-1.038	-1.514	-3.265	3.748	-
288 pi0		111	2	145	-1	397	398	-0.501	-0.445	-1.211	1.391	-
289 pi+		211	1	146	-1	-1	-1	0.004	0.417	0.109	0.453	-
290 pi0		111	2	146	-1	399	400	-0.100	-0.074	-0.379	0.421	-
291 gamma		22	1	147	-1	-1	-1	-0.205	-0.167	-0.287	0.390	-

292	gamma	22	1	147	-1	-1	-1	-0.348	-0.552	-0.700	0.957	-	
293	pi+	211	1	148	-1	-1	-1	-0.209	-0.040	-0.250	0.357		
294	pi-	-211	1	148	-1	-1	-1	-0.510	-0.228	-0.014	0.576		
295	pi0	111	2	148	-1	401	402	0.020	-0.174	0.050	0.226		
296	gamma	22	1	149	-1	-1	-1	0.001	0.164	-0.086	0.186		
297	gamma	22	1	149	-1	-1	-1	0.030	-0.020	-0.019	0.040		
298	gamma	22	1	150	-1	-1	-1	-0.202	0.051	0.146	0.254	-	
299	gamma	22	1	150	-1	-1	-1	-0.770	-0.010	0.352	0.846	-	
300	antiproton	-2212	1	151	-1	-1	-1	0.821	-0.064	1.256	1.771		
301	pi-	-211	1	151	-1	-1	-1	-0.090	0.131	0.060	0.220		
302	proton	2212	1	153	-1	-1	-1	0.491	0.472	4.191	4.348		
303	pi0	111	2	153	-1	403	404	0.432	0.438	2.986	3.051		
304	pi+	211	1	155	-1	-1	-1	0.372	0.302	1.456	1.539		
305	pi-	-211	1	155	-1	-1	-1	0.239	0.342	1.916	1.966		
306	eta	221	2	155	-1	405	406	0.711	0.409	3.509	3.645		
307	pi-	-211	1	157	-1	-1	-1	-0.076	0.314	1.337	1.382		
308	pi0	111	2	157	-1	407	408	0.900	1.060	4.652	4.857		
309	pi-	-211	1	158	-1	-1	-1	-0.271	-0.250	4.347	4.365		
310	pi+	211	1	158	-1	-1	-1	-0.029	0.008	2.931	2.935		
311	pi0	111	2	158	-1	409	410	0.064	-0.089	0.538	0.565		
312	pi+	211	1	159	-1	-1	-1	0.137	0.087	1.288	1.306		
313	pi-	-211	1	159	-1	-1	-1	0.693	-0.251	3.023	3.115		
314	pi0	111	2	159	-1	411	413	0.145	0.111	0.470	0.521		
315	gamma	22	1	160	-1	-1	-1	0.450	0.660	2.140	2.284		
0.001	0.001	316	gamma	22	1	160	-1	-1	-1	0.098	0.068	0.243	0.271
0.001	0.001	317	gamma	22	1	162	-1	-1	-1	-0.128	-0.256	-0.032	0.288
318	pi0	111	2	162	-1	414	415	0.905	-0.497	-0.218	1.064		
319	k0_bar	-311	2	163	-1	416	416	0.061	-0.534	0.782	1.071		
320	pi-	-211	1	163	-1	-1	-1	0.254	-0.012	0.765	0.818		
321	k+	321	1	164	-1	-1	-1	0.184	-0.134	0.420	0.687		
322	pi0	111	2	164	-1	417	418	-0.110	-0.179	0.966	0.998		
323	pi-	-211	1	168	-1	-1	-1	0.449	-0.102	-0.088	0.489		
324	pi+	211	1	168	-1	-1	-1	-0.105	-0.175	-0.108	0.269		

392 gamma			22	1	276	-1	-1	-1	-0.097	-0.053	-1.898	1.901	-
-0.001	0.001												
393 gamma			22	1	281	-1	-1	-1	-0.027	-0.037	-4.436	4.437	-
-0.002	0.002												
394 gamma			22	1	281	-1	-1	-1	-0.039	0.096	-4.272	4.273	-
-0.002	0.002												
395 gamma			22	1	283	-1	-1	-1	0.210	-0.125	-35.824	35.825	-
-0.003	0.003												
396 gamma			22	1	283	-1	-1	-1	0.390	-0.435	-103.867	103.869	-
-0.003	0.003												
397 gamma			22	1	288	-1	-1	-1	-0.012	-0.002	-0.082	0.083	-
398 gamma			22	1	288	-1	-1	-1	-0.489	-0.443	-1.129	1.308	-
399 gamma			22	1	290	-1	-1	-1	-0.127	-0.042	-0.331	0.357	-
400 gamma			22	1	290	-1	-1	-1	0.028	-0.032	-0.048	0.064	-
401 gamma			22	1	295	-1	-1	-1	-0.039	-0.076	-0.026	0.089	-
402 gamma			22	1	295	-1	-1	-1	0.059	-0.097	0.076	0.137	-
403 gamma			22	1	303	-1	-1	-1	0.192	0.248	1.236	1.275	-
0.001	0.001	0.005	0.005										
404 gamma			22	1	303	-1	-1	-1	0.240	0.191	1.750	1.776	-
0.001	0.001	0.005	0.005										
405 gamma			22	1	306	-1	-1	-1	0.280	0.140	2.456	2.476	-
406 gamma			22	1	306	-1	-1	-1	0.431	0.269	1.053	1.169	-
407 gamma			22	1	308	-1	-1	-1	0.640	0.843	3.498	3.654	-
408 gamma			22	1	308	-1	-1	-1	0.260	0.218	1.154	1.203	-
409 gamma			22	1	311	-1	-1	-1	-0.034	0.008	0.122	0.127	-
410 gamma			22	1	311	-1	-1	-1	0.099	-0.097	0.415	0.438	-
411 gamma			22	1	314	-1	-1	-1	0.026	0.082	0.301	0.313	-
412 e-			11	1	314	-1	-1	-1	0.108	0.026	0.153	0.189	-
413 e+			-11	1	314	-1	-1	-1	0.011	0.003	0.016	0.019	-
414 gamma			22	1	318	-1	-1	-1	0.246	-0.123	0.001	0.275	-
415 gamma			22	1	318	-1	-1	-1	0.659	-0.375	-0.219	0.789	-
416 K_L0			130	1	319	-1	-1	-1	0.061	-0.534	0.782	1.071	-
417 gamma			22	1	322	-1	-1	-1	-0.134	-0.113	0.771	0.790	-
418 gamma			22	1	322	-1	-1	-1	0.024	-0.066	0.196	0.208	-
419 gamma			22	1	354	-1	-1	-1	0.166	0.028	0.657	0.678	-
0.001	0.001												
420 gamma			22	1	354	-1	-1	-1	0.785	-0.127	2.602	2.721	-
0.001	0.001												
421 gamma			22	1	355	-1	-1	-1	0.337	-0.176	1.224	1.282	-
422 gamma			22	1	355	-1	-1	-1	0.078	0.011	0.417	0.424	-
423 gamma			22	1	356	-1	-1	-1	0.187	-0.040	0.426	0.468	-
424 gamma			22	1	356	-1	-1	-1	0.169	-0.148	0.774	0.806	-

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*** Run,Event: 195408,1033 Rs: 1 : >>> TStnAna: Processed 70500 events

----- interaction 0 -----														
vy	i	name	PDG	SC	FM	SM	FD	SD	px	py	pz	e	vx	
	0	proton	2212	3		-1	-1	-1	-1		98 98			
	1	antiproton	-2212	3		-1	-1	-1	-1		-98 98			
	2	g	21	3		0	-1	-1	-1	0.415	0.436	77.682	77.684	
	3	d_bar	-1	3		1	-1	-1	-1	1.922	-3.392	-56.412	56.546	
	4	u	2	3		2	-1	-1	-1	-2.050	1.755	29.790	29.912	
	5	d_bar	-1	3		3	-1	-1	-1	1.899				
	6	W+	24	3		4	5	-1	-1	-0.151	-1.596	-25.953	85.788	
	7	e+	-11	3		6	-1	-1	-1	-13.540	-38.554	-4.783	41.141	
	8	nu_e	12	3		6	-1	-1	-1	13.389	36.957	-21.170	44.646	
	9	W+	24	2		6	-1	10	11	-0.151	-1.596	-25.953	85.788	
	10	e+	-11	1		7	-1	-1	-1	-13.540	-38.554	-4.783	41.141	
	11	nu_e	12	1		8	-1	-1	-1	13.389	36.957	-21.170	44.646	
	12	u_bar	-2	2		2	-1	57	57	2.684	-2.127	9.657	10.251	
	13	u	2	2		0	-1	57	57	-0.587	0.251	8.130	8.162	
	14	ud_1	2103	2		0	-1	61	61	0.173	-0.687	429.828	429.829	
	15	g	21	2		2	-1	61	61	-0.364	-1.085	31.808	31.829	
	16	g	21	2		2	-1	61	61	-0.119	1.360	5.610	5.774	
	17	g	21	2		2	-1	61	61	0.286	0.493	0.149	0.589	
	18	g	21	2		-1	-1	61	61	-0.585	0.327	7.482	7.512	
	19	g	21	2		-1	-1	61	61	-1.909	2.594	12.223	12.640	
	20	g	21	2		-1	-1	61	61	-2.547	-0.609	18.708	18.890	
	21	g	21	2		-1	-1	61	61	-0.500	0.236	16.931	16.940	
	22	g	21	2		-1	-1	61	61	-0.307	1.573	43.786	43.816	
	23	g	21	2		-1	-1	61	61	0.500	-0.236	134.802	134.803	
	24	g	21	2		-1	-1	61	61	0.585	-0.327	28.350	28.358	
	25	g	21	2		-1	-1	61	61	1.909	-2.594	37.626	37.763	
	26	g	21	2		-1	-1	61	61	1.963	-1.057	32.229	32.306	
	27	g	21	2		-1	-1	61	61	0.436	0.567	9.906	9.931	
	28	g	21	2		-1	-1	61	61	1.827	1.283	24.491	24.593	
	29	g	21	2		-1	-1	61	61	2.263	1.211	19.553	19.721	
	30	g	21	2		-1	-1	61	61	7.969	-12.726	15.619	21.666	
	31	g	21	2		-1	-1	61	61	2.547	0.609	3.799	4.614	
	32	g	21	2		-1	-1	61	61	1.633	1.668	4.267	4.864	

33 g	21	2	-1	-1	61	61	-0.087	0.583	-0.273	0.650
34 g	21	2	-1	-1	61	61	-7.969	12.726	4.664	15.723
35 g	21	2	-1	-1	61	61	-1.963	1.057	3.686	4.308
36 g	21	2	-1	-1	61	61	-0.436	-0.567	0.795	1.069
37 g	21	2	-1	-1	61	61	-0.419	-0.506	1.288	1.445
38 g	21	2	-1	-1	61	61	-1.827	-1.283	1.188	2.529
39 g	21	2	-1	-1	61	61	0.650	-0.944	-0.517	1.258
40 g	21	2	-1	-1	61	61	0.087	-0.583	-0.313	0.668
41 g	21	2	-1	-1	61	61	-2.263	-1.211	-3.189	4.093
42 g	21	2	-1	-1	61	61	-0.009	-1.005	-2.501	2.695
43 g	21	2	-1	-1	61	61	-0.069	-0.228	-0.761	0.797
44 g	21	2	-1	-1	61	61	-1.633	-1.668	-15.189	15.367
45 g	21	2	-1	-1	61	61	-0.650	0.944	-5.507	5.626
46 g	21	2	-1	-1	61	61	0.419	0.506	-1.813	1.928
47 g	21	2	-1	-1	61	61	0.009	1.005	-3.538	3.679
48 g	21	2	-1	-1	61	61	0.893	1.976	-24.774	24.869
49 g	21	2	-1	-1	61	61	0.695	0.970	-16.174	16.218
50 g	21	2	-1	-1	61	61	-0.695	-0.970	-58.795	58.807
51 g	21	2	-1	-1	61	61	-0.893	-1.976	-157.442	157.457
52 g	21	2	-1	-1	61	61	0.307	-1.573	-197.951	197.957
53 g	21	2	-1	-1	61	61	0.069	0.228	-25.463	25.464
54 uu_1_bar	-2203	2	1	-1	61	61	-1.922	3.392	-396.335	396.355
55 g	21	2	-1	-1	129	129	-0.008	0.743	29.575	29.584
56 g	21	2	-1	-1	129	129	0.008	-0.743	0.340	0.817
57 string	92	2	12	13	58	60	2.097	-1.876	17.787	18.413
58 rho-	-213	2	57	-1	134	135	2.195	-1.714	8.279	8.772
59 pi+	211	1	57	-1	-1	-1	0.005	0.466	4.105	4.134
60 rho0	113	2	57	-1	136	137	-0.102	-0.628	5.403	5.507
61 string	92	2	14	54	62	128	-1.946	3.473	-21.748	1825.398
62 pi-	-211	1	61	-1	-1	-1	-0.317	-1.025	210.715	210.718
63 proton	2212	1	61	-1	-1	-1	-0.012	-0.037	230.439	230.441
64 rho0	113	2	61	-1	138	139	0.371	-0.357	11.174	11.216
65 kappa_0_bar	-313	2	61	-1	140	141	-0.144	0.748	8.076	8.160

66	K*+	323	2	61	-1	142	143	-0.047	0.194	3.534	3.639
67	pi-	-211	1	61	-1	-1	-1	-0.171	-0.397	0.912	1.019
68	rho+	213	2	61	-1	144	145	-0.712	0.802	7.955	8.059
69	omega	223	2	61	-1	146	148	-0.257	1.790	5.262	5.619
70	rho-	-213	2	61	-1	149	150	-0.810	-0.497	4.782	4.927
71	rho0	113	2	61	-1	151	152	-2.065	1.683	19.564	19.761
72	antiproton	-2212	1	61	-1	-1	-1	-0.969	0.520	10.006	10.110
73	Delta++	2224	2	61	-1	153	154	-0.422	0.039	44.240	44.259
74	omega	223	2	61	-1	155	157	-0.071	0.491	25.506	25.522
75	rho-	-213	2	61	-1	158	159	-0.200	-0.618	47.217	47.229
76	rho+	213	2	61	-1	160	161	1.212	0.161	34.646	34.673
77	pi0	111	2	61	-1	162	163	-0.199	-0.022	8.248	8.252
78	eta'	331	2	61	-1	164	166	0.686	-0.766	28.908	28.942
79	antiproton	-2212	1	61	-1	-1	-1	0.295	-0.546	18.163	18.198
80	neutron	2112	1	61	-1	-1	-1	0.543			
-0.144	30.739	30.759									
81	rho+	213	2	61	-1	167	168	0.861	-0.917	32.694	32.729
82	Delta0_bar	-2114	2	61	-1	169	170	3.249	0.852	35.284	35.466
83	pi-	-211	1	61	-1	-1	-1	0.502	-0.289	3.540	3.590
84	proton	2212	1	61	-1	-1	-1	1.716	0.252	22.294	22.381
85	K*-	-323	2	61	-1	171	172	-0.065	-0.054	1.196	1.549
86	phi	333	2	61	-1	173	174	1.080	-0.220	5.419	5.624
87	K+	321	1	61	-1	-1	-1	0.407	-0.119	2.064	2.164
88	K*-	-323	2	61	-1	175	176	0.291	-0.362	1.543	1.829
89	K*0	313	2	61	-1	177	178	0.627	-1.460	3.018	3.533
90	omega	223	2	61	-1	179	181	1.506	-1.861	2.725	3.707
91	K*0_bar	-313	2	61	-1	182	183	0.810	-1.428	1.962	2.727
92	K*+	323	2	61	-1	184	185	3.469	-4.641	6.695	8.899
93	rho0	113	2	61	-1	186	187	1.219	0.061	2.393	2.848
94	pi0	111	2	61	-1	188	189	-0.086	0.057	0.236	0.291
95	omega	223	2	61	-1	190	191	1.385	0.269	1.372	2.115
96	rho-	-213	2	61	-1	192	193	1.492	-0.311	2.117	2.751
97	pi0	111	2	61	-1	194	195	-0.159	0.267	0.680	0.759
98	pi+	211	1	61	-1	-1	-1	-0.548	0.823	0.504	1.118
99	omega	223	2	61	-1	196	198	0.154	0.467	0.296	0.973

100	κ^-	-321	1	61	-1	-1	-1	-0.037	0.474	0.966	1.184
101	ξ^0_{bar}	-3324	2	61	-1	199	200	-1.276	3.679	1.392	4.411
102	σ^0	3214	2	61	-1	201	202	-3.972	5.347	1.893	7.062
103	η	221	2	61	-1	203	205	-2.169	2.929	1.704	4.061
104	ρ^+	213	2	61	-1	206	207	-0.853	-0.725	1.997	2.418
105	ω	223	2	61	-1	208	210	-0.360	-0.166	0.390	0.963
106	ω	223	2	61	-1	211	212	-1.216	0.448	0.922	1.772
107	π^-	-211	1	61	-1	-1	-1	-0.357	0.062	1.126	1.191
108	ρ^+	213	2	61	-1	213	214	0.120	-0.743	-0.325	1.075
109	ρ^0	113	2	61	-1	215	216	-0.070	-0.395	0.832	1.224
110	ω	223	2	61	-1	217	219	-1.062	-0.136	-0.679	1.489
111	ω	223	2	61	-1	220	222	-0.496	-1.081	-0.747	1.648
112	π^-	-211	1	61	-1	-1	-1	-0.480	-0.006	0.209	0.542
113	κ^0_{bar}	-313	2	61	-1	223	224	0.204	-0.693	-0.340	1.172
114	κ^+	321	1	61	-1	-1	-1	-0.901	-0.588	-2.036	2.355
115	ρ^-	-213	2	61	-1	225	226	-0.175	-1.036	-4.148	4.380
116	Δ^0_{bar}	-2114	2	61	-1	227	228	-1.402	-0.517	-6.156	6.469
117	ρ^0	113	2	61	-1	229	230	-0.183	-0.516	-11.831	11.880
118	Δ^+	2214	2	61	-1	231	232	-0.167	1.029	-5.849	6.095
119	ω	223	2	61	-1	233	235	0.284	2.126	-20.176	20.305
120	κ^*	-323	2	61	-1	236	237	0.535	0.169	-13.845	13.890
121	Λ^0_{bar}	-3122	1	61	-1	-1	-1	-0.338	0.086	-47.643	47.657
122	neutron	2112	1	61	-1	-1	-1	0.147	-0.305	-16.350	16.381
123	π^0	111	2	61	-1	238	239	0.190	-0.832	-133.411	133.414
124	antineutron	-2112	1	61	-1	-1	-1	-0.145	-0.209	-21.653	21.674
125	π^0	111	2	61	-1	240	241	-0.773	-0.208	-196.529	196.530
126	proton	2212	1	61	-1	-1	-1	-0.345	-0.170	-91.965	91.970
127	ω	223	2	61	-1	242	243	-0.078	0.873	-87.438	87.446
128	Δ^{--}	-2224	2	61	-1	244	245	-1.194	1.174	-248.176	248.185
129	string	92	2	55	56	130	133		29.915	30.401	
130	Λ^0	3122	1	129	-1	-1	-1	-0.065	0.381	5.035	5.172
131	antineutron	-2112	1	129	-1	-1	-1	0.497	0.288	10.375	10.433
132	neutron	2112	1	129	-1	-1	-1	-0.679	-0.505	3.337	3.569

133	Lambda0_bar			-3122	1	129	-1	-1	-1	0.247	-0.165	11.167	11.227	
134	pi-			-211	1	58	-1	-1	-1	1.666	-0.878	5.826	6.124	
135	pi0			111	2	58	-1	246	247	0.529	-0.836	2.453	2.648	
136	pi+			211	1	60	-1	-1	-1	-0.185	0.113	0.768	0.810	
137	pi-			-211	1	60	-1	-1	-1	0.083	-0.741	4.634	4.696	
138	pi+			211	1	64	-1	-1	-1	0.316	-0.571	6.178	6.214	
139	pi-			-211	1	64	-1	-1	-1	0.055	0.214	4.995	5.002	
140	κ-			-321	1	65	-1	-1	-1	-0.044	0.161	2.728	2.777	
141	pi+			211	1	65	-1	-1	-1	-0.100	0.586	5.348	5.382	
142	κ0			311	2	66	-1	248	248	0.089	-0.037	2.783	2.829	
143	pi+			211	1	66	-1	-1	-1	-0.137	0.232	0.751	0.810	
144	pi+			211	1	68	-1	-1	-1	-0.434	0.766	4.317	4.408	
145	pi0			111	2	68	-1	249	250	-0.278	0.035	3.638	3.652	
146	pi+			211	1	69	-1	-1	-1	0.109	0.246	0.741	0.800	
147	pi-			-211	1	69	-1	-1	-1	-0.076	0.984	3.135	3.289	
148	pi0			111	2	69	-1	251	252	-0.290	0.560	1.387	1.530	
149	pi-			-211	1	70	-1	-1	-1	-0.551	-0.085	3.528	3.574	
150	pi0			111	2	70	-1	253	254	-0.259	-0.412	1.255	1.352	
151	pi-			-211	1	71	-1	-1	-1	-1.900	1.273	17.175	17.327	
152	pi+			211	1	71	-1	-1	-1	-0.165	0.410	2.389	2.433	
153	proton			2212	1	73	-1	-1	-1	-0.245	-0.027	40.820	40.832	
154	pi+			211	1	73	-1	-1	-1	-0.177	0.066	3.420	3.428	
155	pi+			211	1	74	-1	-1	-1	0.009				
156	pi-	0.286	14.000	14.003	-211	1	74	-1	-1	-1	-0.073	0.319	6.374	6.384
157	pi0			111	2	74	-1	255	256	-0.008	-0.114	5.132	5.135	
158	pi-			-211	1	75	-1	-1	-1	-0.328	-0.620	44.103	44.108	
159	pi0			111	2	75	-1	257	258	0.129	0.002	3.115	3.120	
160	pi+			211	1	76	-1	-1	-1	1.140	0.060	27.060	27.085	
161	pi0			111	2	76	-1	259	260	0.072	0.101	7.586	7.588	
162	gamma			22	1	77	-1	-1	-1	-0.123	0.047	3.642	3.644	-
-	0.001	0.001												
163	gamma			22	1	77	-1	-1	-1	-0.076	-0.069	4.607	4.608	-
-	0.001	0.001												
164	pi+			211	1	78	-1	-1	-1	0.193	-0.123	9.486	9.490	
165	pi-			-211	1	78	-1	-1	-1	0.192	-0.122	5.740	5.747	
166	eta			221	2	78	-1	261	263	0.301	-0.520	13.681	13.706	

167 pi+	211	1	81	-1	-1	-1	-0.088	0.018	3.032	3.036	
168 pi0	111	2	81	-1	264	265	0.949	-0.936	29.663	29.693	
169 antiproton	-2212	1	82	-1	-1	-1	3.091	0.644	32.148	32.316	
170 pi+	211	1	82	-1	-1	-1	0.159	0.208	3.135	3.149	
171 k-	-321	1	85	-1	-1	-1	-0.314	-0.073	0.422	0.725	
172 pi0	111	2	85	-1	266	267	0.249	0.019	0.774	0.824	
173 k-	-321	1	86	-1	-1	-1	0.559	-0.038	3.139	3.227	
174 k+	321	1	86	-1	-1	-1	0.520	-0.182	2.280	2.397	
175 k-	-321	1	88	-1	-1	-1	-0.048	-0.364	0.930	1.115	
176 pi0	111	2	88	-1	268	269	0.340	0.001	0.612	0.713	
177 k+	321	1	89	-1	-1	-1	0.651	-0.880	1.655	2.045	
178 pi-	-211	1	89	-1	-1	-1	-0.024	-0.581	1.363	1.488	
179 pi+	211	1	90	-1	-1	-1	0.597	-0.536	1.096	1.366	
180 pi-	-211	1	90	-1	-1	-1	0.806	-0.972	1.079	1.667	
181 pi0	111	2	90	-1	270	271	0.102	-0.352	0.550	0.675	
182 k0_bar	-311	2	91	-1	272	272	0.231	-1.062	1.244	1.725	
183 pi0	111	2	91	-1	273	275	0.579	-0.366	0.718	1.002	
184 k0	311	2	92	-1	276	276	1.928	-3.054	4.153	5.527	
185 pi+	211	1	92	-1	-1	-1	1.541	-1.587	2.542	3.372	
186 pi+	211	1	93	-1	-1	-1	1.099	0.072	1.178	1.619	
187 pi-	-211	1	93	-1	-1	-1	0.120	-0.011	1.215	1.229	
188 gamma	22	1	94	-1	-1	-1	0.017	-0.029	0.061	0.070	-
189 gamma	22	1	94	-1	-1	-1	-0.104	0.086	0.175	0.221	-
190 pi-	-211	1	95	-1	-1	-1	0.400	-0.207	0.624	0.782	
191 pi+	211	1	95	-1	-1	-1	0.985	0.476	0.748	1.333	
192 pi-	-211	1	96	-1	-1	-1	0.040	-0.142	0.039	0.207	
193 pi0	111	2	96	-1	277	278	1.452	-0.170	2.078	2.544	
194 gamma	22	1	97	-1	-1	-1	-0.087	0.058	0.128	0.165	-
195 gamma	22	1	97	-1	-1	-1	-0.072	0.209	0.551	0.594	-
196 pi+	211	1	99	-1	-1	-1	-0.003	0.098	-0.144	0.223	
197 pi-	-211	1	99	-1	-1	-1	0.265	0.189	0.225	0.419	
198 pi0	111	2	99	-1	279	280	-0.107	0.181	0.216	0.330	
199 xi-_bar	-3312	1	101	-1	-1	-1	-1.268	3.285	1.177	3.941	

200 pi-	-211	1	101	-1	-1	-1	-0.008	0.394	0.215	0.470
201 Lambda0	3122	1	102	-1	-1	-1	-3.545	5.037	1.746	6.499
202 pi0	111	2	102	-1	281	282	-0.426	0.310	0.147	0.563
203 pi-	-211	1	103	-1	-1	-1	-0.843	0.985	0.648	1.456
204 pi+	211	1	103	-1	-1	-1	-0.805	1.019	0.503	1.400
205 pi0	111	2	103	-1	283	284	-0.521	0.925	0.553	1.205
206 pi+	211	1	104	-1	-1	-1	-0.868	-0.466	1.146	1.517
207 pi0	111	2	104	-1	285	286	0.015	-0.260	0.851	0.900
208 pi+	211	1	105	-1	-1	-1	-0.056	-0.025	0.362	0.393
209 pi-	-211	1	105	-1	-1	-1	-0.266	0.039	0.116	0.325
210 pi0	111	2	105	-1	287	288	-0.037	-0.181	-0.089	0.245
211 gamma	22	1	106	-1	-1	-1	-0.954	-0.021	0.654	1.157
212 pi0	111	2	106	-1	289	290	-0.261	0.469	0.268	0.615
213 pi+	211	1	108	-1	-1	-1	0.084	0.070	0.025	0.179
214 pi0	111	2	108	-1	291	292	0.036	-0.813	-0.350	0.896
215 pi-	-211	1	109	-1	-1	-1	-0.087	0.109	-0.044	0.203
216 pi+	211	1	109	-1	-1	-1	0.017	-0.505	0.877	1.021
217 pi-	-211	1	110	-1	-1	-1	-0.580	-0.037	-0.556	0.816
218 pi+	211	1	110	-1	-1	-1	-0.014	-0.089	0.015	0.167
219 pi0	111	2	110	-1	293	294	-0.468	-0.010	-0.138	0.506
220 pi+	211	1	111	-1	-1	-1	-0.238	-0.800	-0.336	0.911
221 pi-	-211	1	111	-1	-1	-1	-0.274	-0.065	-0.088	0.326
222 pi0	111	2	111	-1	295	296	0.016	-0.215	-0.323	0.411
223 K0_bar	-311	2	113	-1	297	297	0.130	-0.158	-0.293	0.613
224 pi0	111	2	113	-1	298	299	0.074	-0.535	-0.047	0.559
225 pi-	-211	1	115	-1	-1	-1	-0.145	-0.223	-2.672	2.688
226 pi0	111	2	115	-1	300	301	-0.029	-0.813	-1.477	1.691
227 antineutron	-2112	1	116	-1	-1	-1	-0.684	-0.341	-4.259	4.428
228 pi0	111	2	116	-1	302	303	-0.718	-0.177	-1.897	2.040
229 pi+	211	1	117	-1	-1	-1	-0.130	-0.126	-9.983	9.986
230 pi-	-211	1	117	-1	-1	-1	-0.053			
-0.390 -1.848 1.895										
231 proton	2212	1	118	-1	-1	-1	-0.222	0.544	-2.935	3.137
232 pi0	111	2	118	-1	304	305	0.055	0.485	-2.914	2.958
233 pi-	-211	1	119	-1	-1	-1	-0.018	0.496	-3.291	3.331

234 pi+		211	1	119	-1	-1	-1	0.366	1.418	-14.092	14.168
235 pi0		111	2	119	-1	306	307	-0.064	0.213	-2.793	2.805
236 k0_bar		-311	2	120	-1	308	308	0.179	0.318	-10.767	10.785
237 pi-		-211	1	120	-1	-1	-1	0.356	-0.149	-3.078	3.105
238 gamma		22	1	123	-1	-1	-1	0.109	-0.289	-55.952	55.953
- 0.008	0.008										
239 gamma		22	1	123	-1	-1	-1	0.081	-0.543	-77.459	77.461
- 0.008	0.008										
240 gamma		22	1	125	-1	-1	-1	-0.173	-0.093	-57.345	57.345
- 0.066	0.066										-
241 gamma		22	1	125	-1	-1	-1	-0.599	-0.115	-139.184	139.185
- 0.066	0.066										-
242 gamma		22	1	127	-1	-1	-1	-0.191	0.753	-82.142	82.146
243 pi0		111	2	127	-1	309	310	0.113	0.119	-5.296	5.301
244 antiproton		-2212	1	128	-1	-1	-1	-0.575	0.641	-147.394	147.399
245 pi-		-211	1	128	-1	-1	-1	-0.620	0.533	-100.782	100.786
246 gamma		22	1	135	-1	-1	-1	0.085	-0.183	0.383	0.433
247 gamma		22	1	135	-1	-1	-1	0.444	-0.653	2.070	2.215
248 K_L0		130	1	142	-1	-1	-1	0.089	-0.037	2.783	2.829
249 gamma		22	1	145	-1	-1	-1	-0.099	-0.051	1.414	1.419
250 gamma		22	1	145	-1	-1	-1	-0.179	0.087	2.224	2.233
251 gamma		22	1	148	-1	-1	-1	-0.253	0.398	0.919	1.033
252 gamma		22	1	148	-1	-1	-1	-0.037	0.162	0.468	0.497
253 gamma		22	1	150	-1	-1	-1	-0.098	-0.074	0.216	0.249
254 gamma		22	1	150	-1	-1	-1	-0.161	-0.338	1.038	1.104
255 gamma		22	1	157	-1	-1	-1	-0.056	-0.015	1.098	1.099
256 gamma		22	1	157	-1	-1	-1	0.048	-0.100	4.035	4.036
257 gamma		22	1	159	-1	-1	-1	0.046	0.001	2.451	2.451
0.001	0.001										
258 gamma		22	1	159	-1	-1	-1	0.083	0.001	0.664	0.669
0.001	0.001										
259 gamma		22	1	161	-1	-1	-1	0.014	-0.011	3.949	3.949
260 gamma		22	1	161	-1	-1	-1	0.058	0.112	3.637	3.639
261 pi0		111	2	166	-1	311	312	0.047	-0.207	3.745	3.754
262 pi0		111	2	166	-1	313	314	0.149	-0.296	5.035	5.047
263 pi0		111	2	166	-1	315	316	0.104	-0.017	4.901	4.904
264 gamma		22	1	168	-1	-1	-1	0.143	-0.212	5.356	5.362
- 0.004	0.004										
265 gamma		22	1	168	-1	-1	-1	0.807	-0.723	24.307	24.331
- 0.004	0.004										
266 gamma		22	1	172	-1	-1	-1	-0.013	-0.003	0.012	0.018

267	gamma			22	1	172	-1	-1	-1	0.262	0.022	0.762	0.806	
268	gamma			22	1	176	-1	-1	-1	0.308	0.017	0.601	0.676	
269	gamma			22	1	176	-1	-1	-1	0.032	-0.016	0.011	0.037	
270	gamma			22	1	181	-1	-1	-1	-0.023	-0.017	0.072	0.077	
271	gamma			22	1	181	-1	-1	-1	0.125	-0.336	0.478	0.597	
272	K_L0			130	1	182	-1	-1	-1	0.231	-1.062	1.244	1.725	
273	gamma			22	1	183	-1	-1	-1	0.153	-0.057	0.108	0.195	
0.001	-	0.001	0.001	22	1	183	-1	-1	-1	0.153	-0.057	0.108	0.195	
274	e+			-11	1	183	-1	-1	-1	0.173	-0.121	0.251	0.328	
0.001	-	0.001	0.001	-11	1	183	-1	-1	-1	0.173	-0.121	0.251	0.328	
275	e-			11	1	183	-1	-1	-1	0.253	-0.189	0.360	0.479	
0.001	-	0.001	0.001	11	1	183	-1	-1	-1	0.253	-0.189	0.360	0.479	
276	K_S0			310	1	184	-1	-1	-1	1.928	-3.054	4.153	5.527	
277	gamma			22	1	193	-1	-1	-1	0.900	-0.115	1.175	1.485	
278	gamma			22	1	193	-1	-1	-1	0.552	-0.055	0.903	1.060	
279	gamma			22	1	198	-1	-1	-1	-0.109	0.090	0.188	0.235	-
280	gamma			22	1	198	-1	-1	-1	0.002	0.090	0.028	0.095	-
281	gamma			22	1	202	-1	-1	-1	-0.112	0.084	-0.021	0.141	-
282	gamma			22	1	202	-1	-1	-1	-0.315	0.225	0.168	0.422	-
283	gamma			22	1	205	-1	-1	-1	-0.187	0.438	0.200	0.516	-
284	gamma			22	1	205	-1	-1	-1	-0.334	0.487	0.353	0.688	-
285	gamma			22	1	207	-1	-1	-1	-0.012	-0.165	0.703	0.723	
286	gamma			22	1	207	-1	-1	-1	0.027	-0.095	0.148	0.178	
287	gamma			22	1	210	-1	-1	-1	-0.080	-0.064	-0.057	0.117	-
288	gamma			22	1	210	-1	-1	-1	0.043	-0.117	-0.032	0.128	-
289	gamma			22	1	212	-1	-1	-1	-0.149	0.152	0.067	0.223	-
290	gamma			22	1	212	-1	-1	-1	-0.112	0.317	0.201	0.391	-
291	gamma			22	1	214	-1	-1	-1	0.018	-0.126	-0.110	0.168	
292	gamma			22	1	214	-1	-1	-1	0.018	-0.687	-0.241	0.728	
293	gamma			22	1	219	-1	-1	-1	-0.389	-0.059	-0.124	0.412	-
294	gamma			22	1	219	-1	-1	-1	-0.079	0.049	-0.014	0.094	-
295	gamma			22	1	222	-1	-1	-1	-0.046	-0.109	-0.094	0.151	
296	gamma			22	1	222	-1	-1	-1	0.063	-0.107	-0.229	0.260	
297	K_L0			130	1	223	-1	-1	-1	0.130	-0.158	-0.293	0.613	
298	gamma			22	1	224	-1	-1	-1	0.007	-0.233	-0.082	0.247	
299	gamma			22	1	224	-1	-1	-1	0.068	-0.302	0.035	0.312	
300	gamma			22	1	226	-1	-1	-1	0.037	-0.570	-0.975	1.130	-

-	301	gamma	0.001			22	1	226	-1	-1	-1	-0.066	-0.243	-0.501	0.561	-
-	302	gamma	0.001			22	1	228	-1	-1	-1	-0.084	0.020	-0.181	0.201	-
-	303	gamma				22	1	228	-1	-1	-1	-0.633	-0.197	-1.716	1.839	-
-	304	gamma				22	1	232	-1	-1	-1	-0.008	0.090	-0.889	0.894	
-	305	gamma				22	1	232	-1	-1	-1	0.063				
-	306	gamma	0.395	-2.025	2.064	-										
-	307	gamma	0.001			22	1	235	-1	-1	-1	0.023	-0.006	-0.231	0.232	-
-	308	K_L0	0.001			22	1	235	-1	-1	-1	-0.088	0.219	-2.562	2.573	-
-	309	gamma				130	1	236	-1	-1	-1	0.179	0.318	-10.767	10.785	
-	310	gamma				22	1	243	-1	-1	-1	0.144	0.104	-4.274	4.277	
-	311	gamma				22	1	243	-1	-1	-1	-0.031	0.016	-1.023	1.023	
-	312	gamma	0.002	0.002		22	1	261	-1	-1	-1	-0.036	-0.133	2.314	2.318	
-	313	gamma	0.002	0.002		22	1	261	-1	-1	-1	0.084	-0.074	1.431	1.436	
-	314	gamma	0.001	0.001		22	1	262	-1	-1	-1	0.074	-0.135	3.314	3.317	
-	315	gamma	0.001	0.001		22	1	262	-1	-1	-1	0.075	-0.161	1.721	1.730	
-	316	gamma				22	1	263	-1	-1	-1	0.114	0.028	4.067	4.069	
-	316	gamma				22	1	263	-1	-1	-1	-0.010	-0.046	0.834	0.836	

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*** Run,Event: 200536,3617 Rs: 2 : >>> TStnAna: Processed 158000 events

i name		vy	vz	t	PDG	SC	FM	SM	FD	SD	px	py	pz	e	vx
0	proton				2212	3		-1	-1	-1	-1	980	980		
1	antiproton				-2212	3		-1	-1	-1	-1	-980	980		
2	u				2	3		0	-1	-1	-1	-1.725	1.653	136.898	136.919
3	d_bar				-1	3		1	-1	-1	-1	2.191	-0.833	-36.098	36.174
4	u				2	3		2	-1	-1	-1	-1.892	3.214	122.433	122.490
5	d_bar				-1	3		3	-1	-1	-1	-2.055	-0.864	-13.048	13.237
6	w+				24	3		4	5	-1	-1	-3.947	2.350	109.385	135.726
7	e+				-11	3		6	-1	-1	-1	-20.591	-12.682	0.121	24.184
8	nu_e				12	3		6	-1	-1	-1	16.645	15.033	109.264	111.542
9	w+				24	2		6	-1	10	11	-3.947	2.350	109.385	135.726
10	e+				-11	1		7	-1	-1	-1	-20.591	-12.682	0.121	24.184
11	nu_e				12	1		8	-1	-1	-1	16.645	15.033	109.264	111.542
12	u				2	2		-1	-1	79	79	0.286	2.454	0.448	2.511
13	u_bar				-2	2		-1	-1	79	79	-0.286	-2.454	24.178	24.304
14	u				2	2		-1	-1	87	87	1.128	-0.797	25.053	25.091

15 g	21	2	-1	-1	87	87	0.465	-0.291	11.429	11.443
16 u_bar	-2	2	-1	-1	87	87	-1.128	0.797	35.512	35.539
17 u	2	2	-1	-1	91	91	0.826	0.597	-98.208	98.214
18 u_bar	-2	2	-1	-1	91	91	-0.826	-0.597	-1.118	1.513
19 ud_1	2103	2	0	-1	97	97	1.725	-1.653	397.540	397.548
20 g	21	2	2	-1	97	97	1.156	0.629	11.617	11.692
21 g	21	2	2	-1	97	97	0.072	0.182	0.346	0.397
22 g	21	2	2	-1	97	97	-0.314	-0.114	-0.409	0.528
23 g	21	2	2	-1	97	97	-0.991	-2.389	0.440	2.623
24 g	21	2	-1	-1	97	97	-1.925	0.806	28.902	28.977
25 g	21	2	-1	-1	97	97	1.671	0.189	7.802	7.981
26 g	21	2	-1	-1	97	97	0.414	-0.057	2.119	2.160
27 g	21	2	-1	-1	97	97	1.018	-0.213	3.926	4.062
28 g	21	2	-1	-1	97	97	2.695	0.541	4.108	4.942
29 g	21	2	-1	-1	97	97	1.124	0.447	1.797	2.166
30 g	21	2	-1	-1	97	97	-9.047	6.777	-0.862	11.337
31 g	21	2	-1	-1	97	97	-1.456	-0.391	-0.106	1.511
32 g	21	2	-1	-1	97	97	-0.414	0.057	0.021	0.418
33 g	21	2	-1	-1	97	97	-1.124	-0.447	0.345	1.258
34 g	21	2	-1	-1	97	97	-2.695	-0.541	-1.296	3.039
35 g	21	2	-1	-1	97	97	-1.004	0.027	-0.399	1.081
36 g	21	2	-1	-1	97	97	-1.018	0.213	-0.940	1.402
37 g	21	2	-1	-1	97	97	-1.465	0.235	-2.562	2.960
38 g	21	2	-1	-1	97	97	-1.400	0.627	-3.573	3.888
39 g	21	2	-1	-1	97	97	-0.222	0.676	-1.250	1.439
40 g	21	2	-1	-1	97	97	-0.522	1.085	-2.008	2.341
41 g	21	2	-1	-1	97	97	-0.245	-1.017	-1.446	1.785
42 g	21	2	-1	-1	97	97	-0.065	-1.928	0.111	1.932
43 g	21	2	-1	-1	97	97	0.222	-0.676	-0.072	0.715
44 g	21	2	-1	-1	97	97	2.517	1.221	-1.077	2.998
45 g	21	2	-1	-1	97	97	1.400	-0.627	0.471	1.605
46 g	21	2	-1	-1	97	97	9.047	-6.777	-3.328	11.784
47 g	21	2	-1	-1	97	97	1.405	0.313	-1.555	2.119
48 g	21	2	-1	-1	97	97	0.618	0.909	-1.992	2.276

49 g	21	2	-1	-1	97	97	0.245	1.017	-1.837	2.114
50 g	21	2	-1	-1	97	97	1.685	1.248	-3.998	4.515
51 g	21	2	-1	-1	97	97	1.360	1.378	-11.937	12.093
52 g	21	2	-1	-1	97	97	1.456	0.391	-43.580	43.606
53 g	21	2	-1	-1	97	97	0.065	1.928	-83.412	83.434
54 g	21	2	-1	-1	97	97	-1.671	-0.189	-32.201	32.244
55 g	21	2	-1	-1	97	97	0.522	-1.085	-4.731	4.882
56 g	21	2	-1	-1	97	97	-0.618	-0.909	-6.725	6.814
57 g	21	2	-1	-1	97	97	-1.360	-1.378	-12.763	12.909
58 g	21	2	-1	-1	97	97	-2.517	-1.221	-25.585	25.738
59 g	21	2	-1	-1	97	97	-1.685	-1.248	-24.086	24.177
60 g	21	2	3	-1	97	97	1.884	0.889	-3.619	4.175
61 g	21	2	3	-1	97	97	3.823	-0.083	-7.798	8.686
62 g	21	2	3	-1	97	97	-1.218	-0.646	-9.162	9.265
63 uu_1_bar	-2203	2	1	-1	97	97	-2.191	0.833	-500.402	500.408
64 g	21	2	-1	-1	182	182	2.456	-0.743	30.589	30.696
65 g	21	2	-1	-1	182	182	1.465	-0.235	18.054	18.115
66 g	21	2	-1	-1	182	182	2.024	-1.105	34.122	34.200
67 g	21	2	-1	-1	182	182	1.925	-0.806	54.298	54.338
68 g	21	2	-1	-1	182	182	-2.456	0.743	12.582	12.841
69 g	21	2	-1	-1	182	182	-0.465	0.291	1.708	1.794
70 g	21	2	-1	-1	182	182	-2.024	1.105	6.585	6.977
71 g	21	2	-1	-1	182	182	-1.405	-0.313	4.124	4.368
72 g	21	2	-1	-1	197	197	-1.043	0.480	-41.448	41.464
73 g	21	2	-1	-1	197	197	1.043	-0.480	-4.989	5.119
74 g	21	2	-1	-1	197	197	1.004	-0.027	-4.303	4.419
75 g	21	2	-1	-1	202	202	0.306	-0.989	6.378	6.461
76 g	21	2	-1	-1	202	202	-0.306	0.989	96.126	96.131
77 g	21	2	-1	-1	206	206	0.313	0.282	12.531	12.538
78 g	21	2	-1	-1	206	206	-0.313	-0.282	2.133	2.175
79 string	92	2	12	13	80	86		24.626	26.815	
80 rho+	213	2	79	-1	209	210	-0.282	0.975	0.163	1.298
81 pi-	-211	1	79	-1	-1	-1	0.211	-0.105	1.193	1.224

82 pi+	211	1	79	-1	-1	-1	0.366	0.946	0.883	1.352
83 neutron	2112	1	79	-1	-1	-1	0.435	-0.098	3.799	3.939
84 antineutron	-2112	1	79	-1	-1	-1	-1.049	-1.309	8.926	9.131
85 rho-	-213	2	79	-1	211	212	0.656	0.255	2.866	2.991
86 omega	223	2	79	-1	213	215	-0.336	-0.663	6.796	6.881
87 string	92	2	14	16	88	90	0.465	-0.291	71.994	72.072
88 omega	223	2	87	-1	216	218	0.783	-0.490	13.684	13.738
89 pi+	211	1	87	-1	-1	-1	0.490	-0.085	40.717	40.720
90 pi-	-211	1	87	-1	-1	-1	-0.807	0.284	17.593	17.615
91 string	92	2	17	18	92	96		-99.327	99.727	
92 omega	223	2	91	-1	219	221	0.408	0.396	-61.704	61.712
93 pi+	211	1	91	-1	-1	-1	-0.087	0.590	-22.365	22.373
94 rho-	-213	2	91	-1	222	223	0.343	-0.907	-8.371	8.437
95 k*+	323	2	91	-1	224	225	0.210	0.101	-4.702	4.794
96 k-	-321	1	91	-1	-1	-1	-0.874	-0.181	-2.185	2.411
97 string	92	2	19	63	98	181	0.959	-0.969	-335.168	1294.023
98 omega	223	2	97	-1	226	228	-0.057	-0.292	70.948	70.953
99 neutron	2112	1	97	-1	-1	-1	1.801	-1.204	229.495	229.508
100 pi0	111	2	97	-1	229	230	0.024	0.538	49.086	49.089
101 pi+	211	1	97	-1	-1	-1	-0.009	-0.204	35.000	35.001
102 rho0	113	2	97	-1	231	232	0.087	-0.281	10.840	10.879
103 Delta0_bar	-2114	2	97	-1	233	234	0.733	0.168	11.396	11.486
104 pi-	-211	1	97	-1	-1	-1	0.025	-0.348	0.487	0.615
105 Delta0	2114	2	97	-1	235	236	0.050	0.564	1.743	2.232
106 pi0	111	2	97	-1	237	238	-0.973	-1.379	0.790	1.868
107 pi+	211	1	97	-1	-1	-1	0.377	0.255	0.474	0.672
108 eta	221	2	97	-1	239	241	-0.263	-0.187	0.210	0.669
109 rho0	113	2	97	-1	242	243	0.110	-0.204	0.434	0.932
110 pi-	-211	1	97	-1	-1	-1	-0.602	-0.554	1.275	1.521
111 k0_bar	-311	2	97	-1	244	244	-0.395	-0.336	7.767	7.800
112 k*0	313	2	97	-1	245	246	-0.465	0.723	6.011	6.126
113 k*0_bar	-313	2	97	-1	247	248	0.860	0.349	9.702	9.788
114 k*+	323	2	97	-1	249	250	-0.074	-0.280	7.588	7.641
115 pi-	-211	1	97	-1	-1	-1	0.644	-0.011	2.687	2.767

116 omega	223	2	97	-1	251	253	0.951	0.132	4.478	4.646
117 rho+	213	2	97	-1	254	255	1.164	0.607	3.383	3.729
118 rho0	113	2	97	-1	256	257	1.365	0.104	3.048	3.415
119 eta	221	2	97	-1	258	260	-0.576	0.235	-0.102	0.835
120 rho-	-213	2	97	-1	261	262	0.605	1.610	1.379	2.324
121 pi0	111	2	97	-1	263	264	-1.054	-0.078	-0.170	1.079
122 pi0	111	2	97	-1	265	266	-0.310	-0.030	-0.029	0.341
123 Sigma*+	-3114	2	97	-1	267	268	-2.427	1.820	-0.278	3.340
124 Sigma*0	3214	2	97	-1	269	270	-2.557	1.672	0.309	3.371
125 pi-	-211	1	97	-1	-1	-1	-1.663	0.798	-0.341	1.881
126 pi+	211	1	97	-1	-1	-1	-1.136	-0.401	-0.021	1.213
127 rho-	-213	2	97	-1	271	272	-3.224	0.205	-1.708	3.799
128 pi+	211	1	97	-1	-1	-1	-1.740	0.992	-0.435	2.055
129 antiproton	-2212	1	97	-1	-1	-1	-1.997	-0.582	-3.618	4.277
130 neutron	2112	1	97	-1	-1	-1	-1.033	1.193	-1.227	2.208
131 pi+	211	1	97	-1	-1	-1	-0.414	-0.264	-2.181	2.240
132 rho0	113	2	97	-1	273	274	-1.247	0.241	-1.434	2.118
133 antiproton	-2212	1	97	-1	-1	-1	-0.402	-0.628	-1.546	1.956
134 neutron	2112	1	97	-1	-1	-1	-0.666	0.202	-0.528	1.282
135 kappa*0_bar	-313	2	97	-1	275	276	0.517	-0.216	-0.532	1.190
136 K+	321	1	97	-1	-1	-1	1.753	-1.924	-0.666	2.732
137 rho-	-213	2	97	-1	277	278	0.703	0.132	-0.192	0.995
138 rho+	213	2	97	-1	279	280	1.194	-0.028	-0.019	1.456
139 eta	221	2	97	-1	281	283	0.623	-0.306	-0.910	1.269
140 pi0	111	2	97	-1	284	285	0.888	-0.038	0.156	0.912
141 kappa*-	-323	2	97	-1	286	287	3.405	-2.092	-0.856	4.179
142 kappa*0	313	2	97	-1	288	289	3.069	-2.094	-1.155	3.980
143 rho+	213	2	97	-1	290	291	0.929	-0.639	-0.437	1.397
144 pi-	-211	1	97	-1	-1	-1	0.772	-0.725	-1.726	2.030
145 pi+	211	1	97	-1	-1	-1	1.463	1.573	-2.201	3.079
146 pi-	-211	1	97	-1	-1	-1	-0.306	-0.101	-0.545	0.648
147 pi0	111	2	97	-1	292	293	0.652	0.031	-1.119	1.302
148 rho0	113	2	97	-1	294	295	0.699	-0.086	-1.434	1.686

149	omega	223	2	97	-1	296	298	0.551	0.808	-2.435	2.737
150	rho+	213	2	97	-1	299	300	0.187	0.569	-5.373	5.449
151	pi-	-211	1	97	-1	-1	-1	1.417	1.311	-6.617	6.894
152	pi+	211	1	97	-1	-1	-1	0.461	0.121	-13.951	13.960
153	eta	221	2	97	-1	301	303	-0.233	-0.072	-3.375	3.428
154	eta	221	2	97	-1	304	306	0.878	0.824	-15.282	15.339
155	eta	221	2	97	-1	307	309	0.120	0.808	-12.611	12.649
156	rho0	113	2	97	-1	310	311	-0.108	0.001	-22.023	22.038
157	pi-	-211	1	97	-1	-1	-1	0.355	-0.022	-34.335	34.337
158	omega	223	2	97	-1	312	314	-0.165	0.156	-16.934	16.954
159	k0_bar	-311	2	97	-1	315	315	-0.456	0.195	-13.505	13.523
160	k0	311	2	97	-1	316	316	0.536	0.220	-9.035	9.067
161	rho+	213	2	97	-1	317	318	0.272	-0.391	-8.483	8.520
162	pi-	-211	1	97	-1	-1	-1	-4.198	-2.493	-49.834	50.072
163	eta	221	2	97	-1	319	321	-0.454	-0.831	-2.436	2.670
164	rho0	113	2	97	-1	322	323	-0.540	-0.839	-9.330	9.413
165	rho+	213	2	97	-1	324	325	-0.618	-0.406	-11.246	11.301
166	pi-	-211	1	97	-1	-1	-1	-0.185	-0.354	-4.645	4.664
167	pi+	211	1	97	-1	-1	-1	0.035	0.050	-0.334	0.367
168	pi-	-211	1	97	-1	-1	-1	-0.381	0.834	-3.375	3.501
169	omega	223	2	97	-1	326	328	1.199	-0.115	-4.264	4.500
170	rho0	113	2	97	-1	329	330	1.028	-0.679	-3.816	4.101
171	k*0_bar	-313	2	97	-1	331	332	0.677	0.647	-3.690	3.908
172	k*0	313	2	97	-1	333	334	1.154	-0.959	-3.004	3.443
173	pi+	211	1	97	-1	-1	-1	0.174	0.973	-15.984	16.015
174	eta'	331	2	97	-1	335	337	0.222	-0.735	-12.597	12.657
175	pi0	111	2	97	-1	338	339	-0.102	-0.427	-8.832	8.843
176	rho0	113	2	97	-1	340	341	-0.573	0.754	-101.755	101.763
177	rho-	-213	2	97	-1	342	343	-0.177	0.189	-54.709	54.715
178	sigma+	-3112	1	97	-1	-1	-1	-0.343	-0.455	-30.147	30.177
179	sigma-	3112	1	97	-1	-1	-1	-0.648	0.458	-115.421	115.430
180	Delta0_bar	-2114	2	97	-1	344	345	-0.894	0.259	-151.881	151.887
181	pi-	-211	1	97	-1	-1	-1	-0.106	-0.002	-17.186	17.187
182	string	92	2	64	71	183	196	1.519	-1.063	162.062	163.330

183 rho0	113	2	182	-1	346	347	-1.442	0.598	13.033	13.147
184 omega	223	2	182	-1	348	350	-0.546	-0.093	3.456	3.587
185 rho-	-213	2	182	-1	351	352	-0.743	0.347	2.877	3.094
186 rho+	213	2	182	-1	353	354	-0.079	-0.228	7.581	7.642
187 κ^0	313	2	182	-1	355	356	-1.834	0.595	7.577	7.870
188 κ^-	-321	1	182	-1	-1	-1	-0.440	-0.053	4.854	4.899
189 eta	221	2	182	-1	357	359	0.288	0.194	2.807	2.881
190 pi+	211	1	182	-1	-1	-1	0.103	0.081	4.091	4.095
191 pi-	-211	1	182	-1	-1	-1	0.680	-0.477	4.145	4.229
192 rho+	213	2	182	-1	360	361	0.434	-0.174	5.973	6.023
193 rho-	-213	2	182	-1	362	363	1.862	-0.582	38.954	39.009
194 pi0	111	2	182	-1	364	365	1.138	-1.189	25.302	25.356
195 omega	223	2	182	-1	366	368	0.395	-0.247	12.862	12.895
196 pi+	211	1	182	-1	-1	-1	1.702	0.165	28.551	28.602
197 string	92	2	72	74	198	201	1.004	-0.027	-50.741	51.003
198 rho-	-213	2	197	-1	369	370	-0.513	-0.402	-17.077	17.114
199 rho0	113	2	197	-1	371	372	-0.073	0.654	-8.604	8.665
200 rho+	213	2	197	-1	373	374	0.865	-0.485	-6.877	7.010
201 omega	223	2	197	-1	375	377	0.725	0.206	-18.183	18.214
202 string	92	2	75	76	203	205		102.503	102.593	
203 κ^*	-323	2	202	-1	378	379	-0.249	-0.275	9.347	9.391
204 proton	2212	1	202	-1	-1	-1	-0.510	0.596	64.985	64.996
205 Lambda0_bar	-3122	1	202	-1	-1	-1	0.759	-0.320	28.172	28.206
206 string	92	2	77	78	207	208		14.664	14.712	
207 pi+	211	1	206	-1	-1	-1	-0.196	0.155	1.423	1.452
208 rho-	-213	2	206	-1	380	381	0.196	-0.155	13.241	13.260
209 pi+	211	1	80	-1	-1	-1	-0.068	-0.027	0.212	0.264
210 pi0	111	2	80	-1	382	383	-0.215	1.001	-0.048	1.034
211 pi-	-211	1	85	-1	-1	-1	0.578	0.327	2.392	2.487
212 pi0	111	2	85	-1	384	385	0.078	-0.072	0.474	0.504
213 pi+	211	1	86	-1	-1	-1	-0.316	-0.607	3.800	3.864
214 pi-	-211	1	86	-1	-1	-1	-0.010	-0.001	0.574	0.590
215 pi0	111	2	86	-1	386	387	-0.010	-0.055	2.423	2.427

216 pi-	-211	1	88	-1	-1	-1	0.317	-0.208	2.862	2.890
217 pi+	211	1	88	-1	-1	-1	0.128	-0.242	7.225	7.231
218 pi0	111	2	88	-1	388	389	0.338	-0.040	3.598	3.616
219 pi+	211	1	92	-1	-1	-1	0.327	0.329	-23.902	23.907
220 pi-	-211	1	92	-1	-1	-1	-0.053	-0.091	-9.629	9.630
221 pi0	111	2	92	-1	390	391	0.134	0.158	-28.173	28.174
222 pi-	-211	1	94	-1	-1	-1	0.310	-0.745	-7.221	7.267
223 pi0	111	2	94	-1	392	393	0.032	-0.161	-1.150	1.170
224 K+	321	1	95	-1	-1	-1	0.192	-0.034	-4.429	4.461
225 pi0	111	2	95	-1	394	395	0.017	0.135	-0.273	0.334
226 pi+	211	1	98	-1	-1	-1	-0.029	0.102	40.607	40.607
227 pi-	-211	1	98	-1	-1	-1	0.068	-0.263	16.456	16.459
228 pi0	111	2	98	-1	396	397	-0.095	-0.131	13.885	13.887
229 gamma 0.013 0.013	22	1	100	-1	-1	-1	0.052	0.075	8.190	8.191
230 gamma 0.013 0.013	22	1	100	-1	-1	-1	-0.028	0.463	40.896	40.899
231 pi-	-211	1	102	-1	-1	-1	0.268	0.090	1.705	1.734
232 pi+	211	1	102	-1	-1	-1	-0.181	-0.371	9.135	9.146
233 antineutron	-2112	1	103	-1	-1	-1	0.486	-0.009	9.718	9.776
234 pi0	111	2	103	-1	398	399	0.247	0.177	1.678	1.710
235 neutron	2112	1	105	-1	-1	-1	0.036	0.222	0.937	1.346
236 pi0	111	2	105	-1	400	401	0.013	0.342	0.806	0.886
237 gamma	22	1	106	-1	-1	-1	-0.335	-0.589	0.321	0.749
238 gamma	22	1	106	-1	-1	-1	-0.638	-0.790	0.469	1.119
239 pi+	211	1	108	-1	-1	-1	0.032	-0.038	-0.011	0.148
240 pi-	-211	1	108	-1	-1	-1	-0.246	-0.155	0.114	0.342
241 pi0	111	2	108	-1	402	403	-0.049	0.005	0.107	0.179
242 pi-	-211	1	109	-1	-1	-1	-0.152	-0.398	0.347	0.566
243 pi+	211	1	109	-1	-1	-1	0.262	0.194	0.087	0.365
244 K_L0	130	1	111	-1	-1	-1	-0.395	-0.336	7.767	7.800
245 K+	321	1	112	-1	-1	-1	-0.349	0.399	4.924	4.977
246 pi-	-211	1	112	-1	-1	-1	-0.117	0.324	1.087	1.148
247 K0_bar	-311	2	113	-1	404	404	0.767	0.044	5.977	6.046
248 pi0	111	2	113	-1	405	406	0.093	0.306	3.726	3.742
249 K+	321	1	114	-1	-1	-1	-0.181	-0.009	5.863	5.886

250 pi0	111	2	114	-1	407	408	0.107	-0.272	1.725	1.754	
251 pi+	211	1	116	-1	-1	-1	0.505	-0.162	2.062	2.134	
252 pi-	-211	1	116	-1	-1	-1	0.158	0.125	1.630	1.648	
253 pi0	111	2	116	-1	409	410	0.288	0.169	0.786	0.864	
254 pi+	211	1	117	-1	-1	-1	0.076	-0.158	0.637	0.675	
255 pi0	111	2	117	-1	411	412	1.088	0.765	2.746	3.054	
256 pi+	211	1	118	-1	-1	-1	1.052	-0.088	2.650	2.856	
257 pi-	-211	1	118	-1	-1	-1	0.313	0.193	0.398	0.559	
258 pi0	111	2	119	-1	413	414	-0.045	0.147	-0.105	0.230	
259 pi0	111	2	119	-1	415	416	-0.244	0.022	-0.015	0.280	
260 pi0	111	2	119	-1	417	418	-0.287	0.066	0.018	0.325	
261 pi-	-211	1	120	-1	-1	-1	0.100	0.070	-0.010	0.186	
262 pi0	111	2	120	-1	419	420	0.505	1.540	1.389	2.138	
263 gamma	22	1	121	-1	-1	-1	-0.697	-0.067	-0.049	0.701	-
264 gamma	22	1	121	-1	-1	-1	-0.358	-0.011	-0.121	0.378	-
265 gamma	22	1	122	-1	-1	-1	-0.271	-0.043	-0.069	0.283	-
266 gamma	22	1	122	-1	-1	-1	-0.039	0.013	0.040	0.058	-
267 Sigma0_bar	-3212	2	123	-1	421	422	-1.959	1.475	-0.170	2.732	
268 pi+	211	1	123	-1	-1	-1	-0.469	0.345	-0.108	0.608	
269 Lambda0	3122	1	124	-1	-1	-1	-1.902	1.449	0.120	2.642	
270 pi0	111	2	124	-1	423	424	-0.655	0.223	0.189	0.730	
271 pi-	-211	1	127	-1	-1	-1	-2.867	-0.147	-1.450	3.219	
272 pi0	111	2	127	-1	425	426	-0.357	0.352	-0.258	0.580	
273 pi+	211	1	132	-1	-1	-1	-0.875	-0.244	-0.716	1.164	
274 pi-	-211	1	132	-1	-1	-1	-0.372	0.485	-0.719	0.954	
275 K0_bar	-311	2	135	-1	427	427	-0.177	-0.240	0.580		
276 pi0	111	2	135	-1	428	429	0.517	-0.039	-0.292	0.610	
277 pi-	-211	1	137	-1	-1	-1	0.643	-0.133	-0.110	0.680	
278 pi0	111	2	137	-1	430	431	0.060	0.265	-0.082	0.314	
279 pi+	211	1	138	-1	-1	-1	0.094	-0.242	0.120	0.318	
280 pi0	111	2	138	-1	432	433	1.100	0.214	-0.138	1.137	
281 pi+	211	1	139	-1	-1	-1	0.098	-0.078	-0.193	0.269	
282 pi-	-211	1	139	-1	-1	-1	0.314	-0.259	-0.353	0.557	

283 pi0		111	2	139	-1	434	435	0.211	0.031	-0.364	0.443
284 gamma		22	1	140	-1	-1	-1	0.357	-0.035	-0.001	0.359
0.001 -	0.001										
285 gamma		22	1	140	-1	-1	-1	0.531	-0.003	0.157	0.554
0.001 -	0.001										
286 k0_bar		-311	2	141	-1	436	436	2.627	-1.881	-0.746	3.353
287 pi-		-211	1	141	-1	-1	-1	0.779	-0.210	-0.111	0.826
288 k+		321	1	142	-1	-1	-1	2.380	-1.843	-0.799	3.153
289 pi-		-211	1	142	-1	-1	-1	0.689	-0.250	-0.356	0.827
290 pi+		211	1	143	-1	-1	-1	0.852	-0.290	-0.448	1.015
291 pi0		111	2	143	-1	437	438	0.076	-0.350	0.010	0.383
292 gamma		22	1	147	-1	-1	-1	0.066	0.040	-0.176	0.192
293 gamma		22	1	147	-1	-1	-1	0.586	-0.010	-0.943	1.110
-											
294 pi+		211	1	148	-1	-1	-1	0.609	0.099	-0.955	1.146
295 pi-		-211	1	148	-1	-1	-1	0.090	-0.185	-0.480	0.540
296 pi+		211	1	149	-1	-1	-1	0.288	0.258	-0.697	0.809
297 pi-		-211	1	149	-1	-1	-1	0.169	0.553	-1.621	1.726
298 pi0		111	2	149	-1	439	440	0.094	-0.003	-0.117	0.202
299 pi+		211	1	150	-1	-1	-1	0.375	0.356	-4.219	4.253
300 pi0		111	2	150	-1	441	442	-0.188	0.213	-1.154	1.196
301 pi0		111	2	153	-1	443	444	-0.145	-0.056	-1.004	1.025
302 pi0		111	2	153	-1	445	446	-0.173	0.006	-1.624	1.639
303 pi0		111	2	153	-1	447	448	0.085	-0.022	-0.747	0.764
304 pi+		211	1	154	-1	-1	-1	0.281	0.207	-6.077	6.088
305 pi-		-211	1	154	-1	-1	-1	0.337	0.445	-6.041	6.068
306 pi0		111	2	154	-1	449	450	0.260	0.172	-3.165	3.183
307 pi-		-211	1	155	-1	-1	-1	0.056	0.420	-5.051	5.071
308 pi+		211	1	155	-1	-1	-1	-0.064	0.155	-2.353	2.363
309 pi0		111	2	155	-1	451	452	0.128	0.233	-5.207	5.215
310 pi+		211	1	156	-1	-1	-1	-0.138	0.366	-12.165	12.172
311 pi-		-211	1	156	-1	-1	-1	0.031	-0.364	-9.859	9.866
312 pi-		-211	1	158	-1	-1	-1	-0.150	0.238	-7.312	7.318
313 pi+		211	1	158	-1	-1	-1	-0.183	-0.047	-6.957	6.961
314 pi0		111	2	158	-1	453	454	0.168	-0.036	-2.665	2.674
315 k_S0		310	1	159	-1	-1	-1	-0.456	0.195	-13.505	13.523
316 k_S0		310	1	160	-1	-1	-1	0.536	0.220	-9.035	9.067

317 pi+		211	1	161	-1	-1	-1	-0.114	-0.333	-3.683	3.703	
318 pi0		111	2	161	-1	455	456	0.386	-0.058	-4.799	4.817	
319 pi+		211	1	163	-1	-1	-1	-0.201	-0.255	-0.474	0.592	
320 pi-		-211	1	163	-1	-1	-1	-0.105	-0.266	-0.879	0.935	
321 pi0		111	2	163	-1	457	458	-0.148	-0.310	-1.083	1.144	
322 pi+		211	1	164	-1	-1	-1	0.051	-0.493	-5.109	5.135	
323 pi-		-211	1	164	-1	-1	-1	-0.591	-0.346	-4.221	4.278	
324 pi+		211	1	165	-1	-1	-1	-0.370	-0.428	-10.227	10.244	
325 pi0		111	2	165	-1	459	460	-0.248	0.022	-1.019	1.057	
326 pi-		-211	1	169	-1	-1	-1	0.346	0.170	-0.840	0.935	
327 pi+		211	1	169	-1	-1	-1	0.675	-0.254	-2.181	2.302	
328 pi0		111	2	169	-1	461	462	0.178	-0.031	-1.243	1.263	
329 pi+		211	1	170	-1	-1	-1	1.050	-0.586	-3.707	3.900	
330 pi-		-211	1	170	-1	-1	-1	-0.022	-0.093	-0.109	0.201	
331 k-		-321	1	171	-1	-1	-1	0.301	0.190	-2.475	2.549	
332 pi+		211	1	171	-1	-1	-1	0.376	0.457	-1.215	1.359	
333 k0		311	2	172	-1	463	463	1.072	-0.917	-2.844	3.214	
334 pi0		111	2	172	-1	464	465	0.082	-0.042	-0.160	0.229	
335 pi0		111	2	174	-1	466	467	-0.059	-0.155	-2.383	2.393	
336 pi0		111	2	174	-1	468	469	0.033	-0.104	-0.784	0.803	
337 eta		221	2	174	-1	470	471	0.248	-0.477	-9.430	9.461	
338 gamma		22	1	175	-1	-1	-1	-0.135	-0.345	-7.261	7.270	-
-0.001	0.001											
339 gamma		22	1	175	-1	-1	-1	0.033	-0.082	-1.571	1.573	-
-0.001	0.001											
340 pi+		211	1	176	-1	-1	-1	-0.346	-0.110	-29.962	29.964	
341 pi-		-211	1	176	-1	-1	-1	-0.227	0.864	-71.793	71.799	
342 pi-		-211	1	177	-1	-1	-1	-0.192	-0.074	-46.932	46.933	
343 pi0		111	2	177	-1	472	473	0.014	0.263	-7.776	7.782	
344 antineutron		-2112	1	180	-1	-1	-1	-0.687	0.213	-118.269	118.275	
345 pi0		111	2	180	-1	474	475	-0.207	0.046	-33.612	33.613	
346 pi+		211	1	183	-1	-1	-1	-0.944	0.311	10.420	10.468	
347 pi-		-211	1	183	-1	-1	-1	-0.498	0.286	2.613	2.679	
348 pi-		-211	1	184	-1	-1	-1	-0.365	0.101	0.990	1.069	
349 pi+		211	1	184	-1	-1	-1	-0.057	-0.183	0.631	0.674	

-	384 gamma	22	1	212	-1	-1	-1	0.039	-0.065	0.089	0.117	
-	385 gamma	22	1	212	-1	-1	-1	0.039	-0.007	0.386	0.388	
-	386 gamma	22	1	215	-1	-1	-1	0.019	-0.092	1.881	1.883	-
-	387 gamma	22	1	215	-1	-1	-1	-0.029	0.037	0.542	0.544	-
-	388 gamma	22	1	218	-1	-1	-1	0.133	0.050	1.345	1.352	
-	389 gamma	22	1	218	-1	-1	-1	0.205	-0.090	2.253	2.264	
-	390 gamma	22	1	221	-1	-1	-1	0.047	0.021	-2.326	2.327	
-0.003	0.003											
-	391 gamma	22	1	221	-1	-1	-1	0.087	0.137	-25.847	25.847	
-0.003	0.003											
-	392 gamma	22	1	223	-1	-1	-1	0.054	-0.037	-0.183	0.194	
-	393 gamma	22	1	223	-1	-1	-1	-0.022	-0.124	-0.968	0.976	
-	394 gamma	22	1	225	-1	-1	-1	-0.037	0.098	-0.087	0.136	
-	395 gamma	22	1	225	-1	-1	-1	0.054	0.037	-0.187	0.198	
-	396 gamma	22	1	228	-1	-1	-1	0.022	0.012	2.068	2.069	-
-	397 gamma	22	1	228	-1	-1	-1	-0.117	-0.143	11.817	11.818	-
-	398 gamma	22	1	234	-1	-1	-1	0.216	0.102	1.020	1.048	
0.002	0.002											
-	399 gamma	22	1	234	-1	-1	-1	0.031	0.075	0.658	0.663	
0.002	0.002											
-	400 gamma	22	1	236	-1	-1	-1	-0.028	0.116	0.155	0.195	
-	401 gamma	22	1	236	-1	-1	-1	0.042	0.226	0.652	0.691	
-	402 gamma	22	1	241	-1	-1	-1	0.014	-0.020	0.108	0.111	-
-	403 gamma	22	1	241	-1	-1	-1	-0.063	0.025	-0.002	0.068	-
-	404 K_S0	310	1	247	-1	-1	-1	0.767	0.044	5.977	6.046	
-	405 gamma	22	1	248	-1	-1	-1	-0.034	0.098	1.156	1.161	
0.001	0.001											
-	406 gamma	22	1	248	-1	-1	-1	0.126	0.207	2.570	2.581	
0.001	0.001											
-	407 gamma	22	1	250	-1	-1	-1	0.049	-0.008	0.348	0.351	
-	0.001	0.001										
-	408 gamma	22	1	250	-1	-1	-1	0.057	-0.263	1.377	1.403	
-	0.001	0.001										
-	409 gamma	22	1	253	-1	-1	-1	0.109	0.140	0.425	0.461	
-	410 gamma	22	1	253	-1	-1	-1	0.179	0.029	0.360	0.404	
-	411 gamma	22	1	255	-1	-1	-1	0.130	0.069	0.225	0.269	
0.001	0.001											
-	412 gamma	22	1	255	-1	-1	-1	0.958	0.696	2.521	2.785	
0.001	0.001											
-	413 gamma	22	1	258	-1	-1	-1	-0.008	-0.025	-0.005	0.027	-
-	414 gamma	22	1	258	-1	-1	-1	-0.037	0.173	-0.100	0.203	-
-	415 gamma	22	1	259	-1	-1	-1	-	0.029	-0.022	0.036	-
-	416 gamma	22	1	259	-1	-1	-1	-0.244	-0.007	0.007	0.244	-

417	gamma	22	1	260	-1	-1	-1	0.014	0.003	-0.007	0.016	-
418	gamma	22	1	260	-1	-1	-1	-0.301	0.063	0.026	0.309	-
419	gamma	22	1	262	-1	-1	-1	0.234	0.925	0.806	1.249	-
420	gamma	22	1	262	-1	-1	-1	0.271	0.615	0.582	0.890	-
421	Lambda0_bar	-3122	1	267	-1	-1	-1	-1.782	1.365	-0.224	2.516	-
422	gamma	22	1	267	-1	-1	-1	-0.177	0.110	0.054	0.215	-
423	gamma	22	1	270	-1	-1	-1	-0.394	0.137	0.182	0.455	-
424	gamma	22	1	270	-1	-1	-1	-0.261	0.086	0.007	0.275	-
425	gamma	22	1	272	-1	-1	-1	-0.318	0.307	-0.171	0.474	-
426	gamma	22	1	272	-1	-1	-1	-0.039	0.045	-0.088	0.106	-
427	K_L0	130	1	275	-1	-1	-1	-0.177	-0.240	0.580		-
428	gamma	22	1	276	-1	-1	-1	0.256	-0.087	-0.150	0.309	-
429	gamma	22	1	276	-1	-1	-1	0.261	0.048	-0.142	0.301	-
430	gamma	22	1	278	-1	-1	-1	0.098	0.131	-0.038	0.168	-
431	gamma	22	1	278	-1	-1	-1	-0.038	0.135	-0.044	0.147	-
432	gamma	22	1	280	-1	-1	-1	0.775	0.206	-0.127	0.812	-
433	gamma	22	1	280	-1	-1	-1	0.326	0.008	-0.011	0.326	-
434	gamma	22	1	283	-1	-1	-1	0.028	-0.026	-0.154	0.159	-
435	gamma	22	1	283	-1	-1	-1	0.183	0.057	-0.210	0.284	-
436	K_S0	310	1	286	-1	-1	-1	2.627	-1.881	-0.746	3.353	-
437	gamma	22	1	291	-1	-1	-1	-0.033	-0.035	0.012	0.049	-
438	gamma	22	1	291	-1	-1	-1	0.109	-0.315	-0.001	0.333	-
439	gamma	22	1	298	-1	-1	-1	0.120	-0.017	-0.056	0.134	-
440	gamma	22	1	298	-1	-1	-1	-0.027	0.014	-0.061	0.068	-
441	gamma	22	1	300	-1	-1	-1	-0.155	0.228	-0.958	0.997	-
442	gamma	22	1	300	-1	-1	-1	-0.034	-0.015	-0.196	0.199	-
443	gamma	22	1	301	-1	-1	-1	-0.013	-0.023	-0.026	0.037	-
444	gamma	22	1	301	-1	-1	-1	-0.131	-0.032	-0.979	0.988	-
445	gamma	22	1	302	-1	-1	-1	-0.142	-0.010	-0.709	0.723	-
446	gamma	22	1	302	-1	-1	-1	-0.031	0.016	-0.915	0.916	-
447	gamma	22	1	303	-1	-1	-1	0.050	0.017	-0.662	0.664	-
448	gamma	22	1	303	-1	-1	-1	0.035	-0.040	-0.085	0.100	-
449	gamma	22	1	306	-1	-1	-1	0.131	0.051	-1.987	1.992	-
-0.001	0.001	22	1	306	-1	-1	-1	0.129	0.121	-1.178	1.191	-
450	gamma	22	1	306	-1	-1	-1	0.129	0.121	-1.178	1.191	-

484 gamma	22	1	363	-1	-1	-1	0.070	-0.106	1.568	1.573
485 gamma	22	1	363	-1	-1	-1	0.477	-0.241	7.304	7.323
486 gamma	22	1	368	-1	-1	-1	0.105	0.164	3.734	3.739
0.001 0.001 487 gamma	22	1	368	-1	-1	-1	-0.016	0.079	0.081	
0.001 0.001 488 gamma	22	1	370	-1	-1	-1	0.058	-0.009	-0.241	0.248
489 gamma	22	1	370	-1	-1	-1	0.127	-0.173	-2.191	2.201
490 gamma	22	1	374	-1	-1	-1	0.097	-0.020	-0.854	0.860
491 gamma	22	1	374	-1	-1	-1	0.891	-0.348	-5.502	5.585
492 gamma	22	1	377	-1	-1	-1	0.485	0.026	-9.852	9.864
-0.004 0.004 493 gamma	22	1	377	-1	-1	-1	0.190	0.067	-2.968	2.974
-0.004 0.004 494 K_S0	310	1	378	-1	-1	-1	-0.305	-0.227	4.792	4.833
495 gamma	22	1	381	-1	-1	-1	0.061	0.017	0.404	0.409
496 gamma	22	1	381	-1	-1	-1	0.003	0.168	1.786	1.794

----- interaction 1 -----

497 proton	2212	3	-1	-1	-1	-1		98	98		
498 antiproton	-2212	3	-1	-1	-1	-1		-98	98		
499 proton	2212	3	0	-1	-1	-1	0.056	-0.276	98	98	
500 antiproton	-2212	3	1	-1	-1	-1	-0.056	0.276	-98	98	
501 proton	2212	1	2	-1	-1	-1	0.056	-0.276	98	98	
502 antiproton	-2212	1	3	-1	-1	-1	-0.056	0.276	-98	98	

----- interaction 2 -----

503 proton	2212	3	-1	-1	-1	-1		98	98		
504 antiproton	-2212	3	-1	-1	-1	-1		-98	98		
505 proton	2212	3	0	-1	-1	-1	0.146	0.092	98	98	
506 antiproton	-2212	3	1	-1	-1	-1	-0.146	-0.092	-98	98	
507 proton	2212	1	2	-1	-1	-1	0.146	0.092	98	98	
508 antiproton	-2212	1	3	-1	-1	-1	-0.146	-0.092	-98	98	

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