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pythia_6.3_decays_list.log

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Tue Oct 24 22:17:54 BST 2006

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*****
*****
**
**
**      *.....*
**      *::::!!:~::~::~:~::~*
**      *::::!!:~::~::~:~::~*
**      *::::!!:~::~::~:~::~*
**      *::::!!:~::~::~:~::~*
**      *::::!!:~::~::~:~::~*
**      *::::!!:~::~::~:~::~*
**      *::::!!:~::~::~:~::~* !!
**      !! *::::!!:~::~::~:~::~* !!
**      !!      !* -><- *      !!
**      !!      !!      !!
**      !!      !!      !!
**      !!      lh      !!
**      !!      !!      !!
**      !!      hh      !!
**      !!      ll      !!
**      !!      !!      !!
**      !!
**      Copyright T. Sjostrand (2005)
**
** An archive of program versions and documentation is found on the web:
** http://www.thep.lu.se/~torbjorn/Pythia.html
**
** When you cite this program, currently the official reference is
** T. Sjostrand, P. Eden, C. Friberg, L. Lonnblad, G. Miu, S. Mrenna and
** E. Norrbin, Computer Physics Commun. 135 (2001) 238.
** The large manual is
** T. Sjostrand, L. Lonnblad, S. Mrenna and P. Skands,
** LU TP 03-38 [hep-ph/0308153].
** Also remember that the program, to a large extent, represents original
** physics research. Other publications of special relevance to your
** studies may therefore deserve separate mention.
**
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** Author: Peter Skands; Theoretical Physics Department,
** Fermi National Accelerator Laboratory, MS 106, Batavia, IL 60510, USA;
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**
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*****
*****
1***** PYINIT: initialization of PYTHIA routines *****
==== PYTHIA WILL USE LHAPDF ====
*****
*      LHAPDF Version 4.0      *
*****

>>>>> PDF description: <<<<<<
CTEQ6L1 - LO with LO alpha_s
Reference:
J. Pumplin, D.R. Stump, J. Huston, H.L. Lai, P. Nadolsky,
W.K. Tung
hep-ph/0201195
>>>>>                <<<<<<

Parametrization: CTEQ6

=====
PDFset name /nfs/atlas/releases/11.0.5/atlas/dist/11.0.5/InstallArea/share/PDFsets/cteq6ll.L
with          1 members
==== initialized. =====
Strong coupling at Mz for PDF is:  0.12978

=====
I                                                                 I
I          PYTHIA will be initialized for a p on p collider      I
I              at 14000.000 GeV center-of-mass energy            I
I                                                                 I
=====

***** PYMAXI: summary of differential cross-section maximum search *****

=====
I          I          I
I  ISUB  Subprocess name          I  Maximum value  I
I          I          I
=====
I          I          I
I   96   Semihard QCD 2 -> 2          I   5.1986E+03  I
I  102   g + g -> h0                 I   6.3733E-09  I
I          I          I
=====

***** PYMULT: initialization of multiple interactions for MSTP(82) = 4 *****
pT0 = 4.25 GeV gives sigma(parton-parton) = 2.34E+02 mb: accepted

***** PYMIGN: initialization of multiple interactions for MSTP(82) = 4 *****
pT0 = 4.25 GeV gives sigma(parton-parton) = 2.50E+02 mb: accepted

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***** PYINIT: initialization completed *****

Particle/parton data table

KF	KC	particle	antiparticle	chrg	col	anti	mass	width	w-cut	lifetime	decay
IDC	on/off	ME	Br.rat.	decay products							
1	1	d		dbar	-1	1	0.33000	0.00000	0.00000	0.00000E+00	0
	1	102	0.000000	g	d						
	2	102	0.000000	gamma	d						
	3	102	0.000000	Z0	d						
	4	102	0.000000	W-	u						
	5	102	0.000000	W-	c						
	6	102	0.000000	W-	t						
	7	-1 102	0.000000	W-	t'						
	8	102	0.000000	h0	d						
2	2	u		ubar	2	1	0.33000	0.00000	0.00000	0.00000E+00	0
	9	102	0.000000	g	u						
	10	102	0.000000	gamma	u						
	11	102	0.000000	Z0	u						
	12	102	0.000000	W+	d						
	13	102	0.000000	W+	s						
	14	102	0.000000	W+	b						
	15	-1 102	0.000000	W+	b'						
	16	102	0.000000	h0	u						
3	3	s		sbar	-1	1	0.50000	0.00000	0.00000	0.00000E+00	0
	17	102	0.000000	g	s						
	18	102	0.000000	gamma	s						
	19	102	0.000000	Z0	s						
	20	102	0.000000	W-	u						
	21	102	0.000000	W-	c						
	22	102	0.000000	W-	t						
	23	-1 102	0.000000	W-	t'						
	24	102	0.000000	h0	s						
4	4	c		cbar	2	1	1.50000	0.00000	0.00000	0.00000E+00	0
	25	102	0.000000	g	c						
	26	102	0.000000	gamma	c						
	27	102	0.000000	Z0	c						
	28	102	0.000000	W+	d						
	29	102	0.000000	W+	s						
	30	102	0.000000	W+	b						
	31	-1 102	0.000000	W+	b'						
	32	102	0.000000	h0	c						

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5	5	b	bbar	-1	1	1	4.80000	0.00000	0.00000	0.00000E+00	0
33	1	102	g	b							
34	1	102	gamma	b							
35	1	102	Z0	b							
36	1	102	W-	u							
37	1	102	W-	c							
38	1	102	W-	t							
39	-1	102	W-	t'							
40	1	102	h0	b							
6	6	t	tbar	2	1	1	175.00000	1.39945	13.99450	0.00000E+00	1
41	1	102	g	t							
42	1	102	gamma	t							
43	1	102	Z0	t							
44	1	0	W+	d							
45	1	0	W+	s							
46	1	0	W+	b							
47	-1	0	W+	b'							
48	1	102	h0	t							
49	-1	0	H+	b							
50	-1	53	~chi_10	~t_1							
51	-1	53	~chi_20	~t_1							
52	-1	53	~chi_30	~t_1							
53	-1	53	~chi_40	~t_1							
54	-1	53	~g	~t_1							
55	-1	53	~Gravitino	~t_1							
7	7	b'	b'bar	-1	1	1	400.00000	0.00000	0.00000	0.00000E+00	1
56	1	102	g	b'							
57	1	102	gamma	b'							
58	1	102	Z0	b'							
59	1	0	W-	u							
60	1	0	W-	c							
61	1	0	W-	t							
62	1	0	W-	t'							
63	1	102	h0	b'							
64	-1	0	H-	c							
65	-1	0	H-	t							
8	8	t'	t'bar	2	1	1	400.00000	0.00000	0.00000	0.00000E+00	1
66	1	102	g	t'							
67	1	102	gamma	t'							
68	1	102	Z0	t'							
69	1	0	W+	d							
70	1	0	W+	s							
71	1	0	W+	b							
72	1	0	W+	b'							
73	1	102	h0	t'							

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	74	-1	0	0.000000	H+	b							
	75	-1	0	0.000000	H+	b'							
11	11	e-			e+	-3	0	1	0.00051	0.00000	0.00000	0.00000E+00	0
	76	1	102	0.000000	gamma	e-							
	77	1	102	0.000000	Z0	e-							
	78	1	102	0.000000	W-	nu_e							
	79	1	102	0.000000	h0	e-							
12	12	nu_e			nu_ebar	0	0	1	0.00000	0.00000	0.00000	0.00000E+00	0
	80	1	102	0.000000	Z0	nu_e							
	81	1	102	0.000000	W+	e-							
13	13	mu-			mu+	-3	0	1	0.10566	0.00000	0.00000	6.58654E+05	0
	82	1	42	1.000000	nu_ebar	e-			nu_mu				
	83	1	102	0.000000	gamma	mu-							
	84	1	102	0.000000	Z0	mu-							
	85	1	102	0.000000	W-	nu_mu							
	86	1	102	0.000000	h0	mu-							
14	14	nu_mu			nu_mubar	0	0	1	0.00000	0.00000	0.00000	0.00000E+00	0
	87	1	102	0.000000	Z0	nu_mu							
	88	1	102	0.000000	W+	mu-							
15	15	tau-			tau+	-3	0	1	1.77700	0.00000	0.00000	8.72000E-02	0
	89	1	42	0.178300	nu_ebar	e-			nu_tau				
	90	1	42	0.173500	nu_mubar	mu-			nu_tau				
	91	1	0	0.113100	nu_tau	pi-							
	92	1	0	0.249400	nu_tau	rho-							
	93	1	41	0.003000	nu_tau	pi-			pi0				
	94	1	41	0.090000	nu_tau	rho-			pi0				
	95	1	41	0.002700	nu_tau	pi-			pi0	pi0			
	96	1	41	0.010000	nu_tau	rho-			pi0	pi0			
	97	1	41	0.001400	nu_tau	pi-			pi0	pi0	pi0		
	98	1	41	0.001200	nu_tau	rho-			pi0	pi0	pi0		
	99	1	41	0.000250	nu_tau	pi-			K_S0				
	100	1	41	0.000250	nu_tau	pi-			K_L0				
	101	1	0	0.007100	nu_tau	K-							
	102	1	0	0.012000	nu_tau	K*-							
	103	1	41	0.000400	nu_tau	K-			pi0				
	104	1	41	0.000750	nu_tau	K*-			pi0				
	105	1	41	0.000060	nu_tau	K*-			pi0	pi0			
	106	1	41	0.000780	nu_tau	K-			K_S0				
	107	1	41	0.000780	nu_tau	K-			K_L0				
	108	1	41	0.003400	nu_tau	K-			K+	pi-			
	109	1	41	0.080000	nu_tau	pi-			rho0				
	110	1	41	0.011000	nu_tau	pi-			pi+	pi-			
	111	1	41	0.019100	nu_tau	pi-			omega				
	112	1	41	0.000060	nu_tau	pi-			eta				

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113	1	41	0.005000	nu_tau	rho-	rho0						
114	1	41	0.013300	nu_tau	pi-	rho0	pi0					
115	1	41	0.006700	nu_tau	rho-	pi+	pi-					
116	1	41	0.000500	nu_tau	pi-	pi+	pi-	pi0				
117	1	41	0.003500	nu_tau	rho-	omega						
118	1	41	0.000600	nu_tau	pi-	omega	pi0					
119	1	41	0.001500	nu_tau	rho-	eta						
120	1	41	0.000210	nu_tau	pi-	eta	pi0					
121	1	41	0.000200	nu_tau	rho-	rho0	pi0					
122	1	41	0.000750	nu_tau	pi-	rho0	rho0					
123	1	41	0.000100	nu_tau	pi-	eta	eta					
124	1	41	0.000200	nu_tau	pi-	rho0	pi0	pi0				
125	1	41	0.001100	nu_tau	rho-	rho0	pi0	pi0				
126	1	41	0.000200	nu_tau	pi-	rho+	rho-					
127	1	41	0.000200	nu_tau	pi-	rho+	pi-	pi0				
128	1	41	0.000200	nu_tau	pi-	rho-	pi+	pi0				
129	1	41	0.000220	nu_tau	pi-	rho0	rho0	pi0				
130	1	41	0.000400	nu_tau	K*-	pi0	pi0					
131	1	41	0.000100	nu_tau	K-	pi0	pi0	pi0				
132	1	41	0.002050	nu_tau	pi-	K_S0	pi0					
133	1	41	0.002050	nu_tau	pi-	K_L0	pi0					
134	1	41	0.000690	nu_tau	K-	K_S0	pi0					
135	1	41	0.000690	nu_tau	K-	K_L0	pi0					
136	1	41	0.000250	nu_tau	pi-	K_S0	K_S0					
137	1	41	0.000510	nu_tau	pi-	K_S0	K_L0					
138	1	41	0.000250	nu_tau	pi-	K_L0	K_L0					
139	1	102	0.000000	gamma	tau-							
140	1	102	0.000000	Z0	tau-							
141	1	102	0.000000	W-	nu_tau							
142	1	102	0.000000	h0	tau-							
16	16	nu_tau		nu_taubar	0	0	1	0.00000	0.00000	0.00000	0.00000E+00	0
143	1	102	0.000000	Z0	nu_tau							
144	1	102	0.000000	W+	tau-							
17	17	tau'-		tau'+	-3	0	1	400.00000	0.00000	0.00000	0.00000E+00	1
145	1	102	0.000000	gamma	tau'-							
146	1	102	0.000000	Z0	tau'-							
147	1	0	0.000000	W-	nu'_tau							
148	1	102	0.000000	h0	tau'-							
149	-1	0	0.000000	H-	nu'_tau							
18	18	nu'_tau		nu'_taubar	0	0	1	0.00000	0.00000	0.00000	0.00000E+00	0
150	1	102	0.000000	Z0	nu'_tau							
151	1	0	0.000000	W+	tau'-							
152	-1	0	0.000000	H+	tau'-							
21	21	g		d	0	2	0	0.00000	0.00000	0.00000	0.00000E+00	0
153	1	102	0.000000	d	dbar							

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154	1	102	0.000000	u	ubar									
155	1	102	0.000000	s	sbar									
156	1	102	0.000000	c	cbar									
157	1	102	0.000000	b	bbar									
158	0	102	0.000000	t	tbar									
159	-1	102	0.000000	b'	b'bar									
160	-1	102	0.000000	t'	t'bar									
161	1	102	0.000000	g	g									
22	22	gamma				0	0	0	0.00000	0.00000	0.00000	0.00000E+00	0	
162	1	102	0.000000	d	dbar									
163	1	102	0.000000	u	ubar									
164	1	102	0.000000	s	sbar									
165	1	102	0.000000	c	cbar									
166	1	102	0.000000	b	bbar									
167	0	102	0.000000	t	tbar									
168	-1	102	0.000000	b'	b'bar									
169	-1	102	0.000000	t'	t'bar									
170	1	102	0.000000	e-	e+									
171	1	102	0.000000	mu-	mu+									
172	1	102	0.000000	tau-	tau+									
173	-1	102	0.000000	tau'-	tau'+									
23	23	Z0				0	0	0	91.19000	2.47818	24.78184	0.00000E+00	1	
174	1	32	0.153995	d	dbar									
175	1	32	0.119420	u	ubar									
176	1	32	0.153984	s	sbar									
177	1	32	0.119259	c	cbar									
178	1	32	0.152272	b	bbar									
179	1	32	0.000000	t	tbar									
180	-1	32	0.000000	b'	b'bar									
181	-1	32	0.000000	t'	t'bar									
182	1	0	0.033576	e-	e+									
183	1	0	0.066806	nu_e	nu_ebar									
184	1	0	0.033576	mu-	mu+									
185	1	0	0.066806	nu_mu	nu_mubar									
186	1	0	0.033500	tau-	tau+									
187	1	0	0.066806	nu_tau	nu_taubar									
188	-1	0	0.000000	tau'-	tau'+									
189	-1	0	0.000000	nu'_tau	nu'_taubar									
24	24	W+		W-		3	0	1	80.42000	2.07037	20.70371	0.00000E+00	1	
190	1	32	0.321369	dbar	u									
191	1	32	0.016494	dbar	c									
192	1	32	0.000000	dbar	t									
193	-1	32	0.000000	dbar	t'									
194	1	32	0.016502	sbar	u									
195	1	32	0.320615	sbar	c									
196	1	32	0.000000	sbar	t									

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197	-1	32	0.000000	sbar	t'
198	1	32	0.000010	bbar	u
199	1	32	0.000591	bbar	c
200	1	32	0.000000	bbar	t
201	-1	32	0.000000	bbar	t'
202	-1	32	0.000000	b'bar	u
203	-1	32	0.000000	b'bar	c
204	-1	32	0.000000	b'bar	t
205	-1	32	0.000000	b'bar	t'
206	1	0	0.108166	e+	nu_e
207	1	0	0.108166	mu+	nu_mu
208	1	0	0.108087	tau+	nu_tau
209	-1	0	0.000000	tau'+	nu'_tau

25	25	h0			0	0	0	120.00000	0.00308	0.03085	0.00000E+00	1
210	0	32	0.000001	d	dbar							
211	0	32	0.000000	u	ubar							
212	0	32	0.000291	s	sbar							
213	0	32	0.035985	c	cbar							
214	0	32	0.657030	b	bbar							
215	0	32	0.000000	t	tbar							
216	-1	32	0.000000	b'	b'bar							
217	-1	32	0.000000	t'	t'bar							
218	0	0	0.000000	e-	e+							
219	0	0	0.000282	mu-	mu+							
220	0	0	0.079589	tau-	tau+							
221	-1	0	0.000000	tau'-	tau'+							
222	0	0	0.054912	g	g							
223	0	0	0.002880	gamma	gamma							
224	0	0	0.001286	gamma	Z0							
225	0	0	0.017186	Z0	Z0							
226	1	0	0.150559	W+	W-							
227	-1	53	0.000000	~chi_10	~chi_10							
228	-1	53	0.000000	~chi_20	~chi_10							
229	-1	53	0.000000	~chi_20	~chi_20							
230	-1	53	0.000000	~chi_30	~chi_10							
231	-1	53	0.000000	~chi_30	~chi_20							
232	-1	53	0.000000	~chi_30	~chi_30							
233	-1	53	0.000000	~chi_40	~chi_10							
234	-1	53	0.000000	~chi_40	~chi_20							
235	-1	53	0.000000	~chi_40	~chi_30							
236	-1	53	0.000000	~chi_40	~chi_40							
237	-1	53	0.000000	~chi_1+	~chi_1-							
238	-1	53	0.000000	~chi_1+	~chi_2-							
239	-1	53	0.000000	~chi_2+	~chi_1-							
240	-1	53	0.000000	~chi_2+	~chi_2-							
241	-1	53	0.000000	~d_L	~d_Lbar							
242	-1	53	0.000000	~d_R	~d_Rbar							
243	-1	53	0.000000	~d_L	~d_Rbar							

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244	-1	53	0.000000	~d_Lbar	~d_R
245	-1	53	0.000000	~u_L	~u_Lbar
246	-1	53	0.000000	~u_R	~u_Rbar
247	-1	53	0.000000	~u_L	~u_Rbar
248	-1	53	0.000000	~u_Lbar	~u_R
249	-1	53	0.000000	~s_L	~s_Lbar
250	-1	53	0.000000	~s_R	~s_Rbar
251	-1	53	0.000000	~s_L	~s_Rbar
252	-1	53	0.000000	~s_Lbar	~s_R
253	-1	53	0.000000	~c_L	~c_Lbar
254	-1	53	0.000000	~c_R	~c_Rbar
255	-1	53	0.000000	~c_L	~c_Rbar
256	-1	53	0.000000	~c_Lbar	~c_R
257	-1	53	0.000000	~b_1	~b_1bar
258	-1	53	0.000000	~b_2	~b_2bar
259	-1	53	0.000000	~b_1	~b_2bar
260	-1	53	0.000000	~b_1bar	~b_2
261	-1	53	0.000000	~t_1	~t_1bar
262	-1	53	0.000000	~t_2	~t_2bar
263	-1	53	0.000000	~t_1	~t_2bar
264	-1	53	0.000000	~t_1bar	~t_2
265	-1	53	0.000000	~e_L-	~e_L+
266	-1	53	0.000000	~e_R-	~e_R+
267	-1	53	0.000000	~e_L-	~e_R+
268	-1	53	0.000000	~e_L+	~e_R-
269	-1	53	0.000000	~nu_eL	~nu_eLbar
270	-1	53	0.000000	~nu_eR	~nu_eRbar
271	-1	53	0.000000	~nu_eL	~nu_eRbar
272	-1	53	0.000000	~nu_eLbar	~nu_eR
273	-1	53	0.000000	~mu_L-	~mu_L+
274	-1	53	0.000000	~mu_R-	~mu_R+
275	-1	53	0.000000	~mu_L-	~mu_R+
276	-1	53	0.000000	~mu_L+	~mu_R-
277	-1	53	0.000000	~nu_muL	~nu_muLbar
278	-1	53	0.000000	~nu_muR	~nu_muRbar
279	-1	53	0.000000	~nu_muL	~nu_muRbar
280	-1	53	0.000000	~nu_muLbar	~nu_muR
281	-1	53	0.000000	~tau_1-	~tau_1+
282	-1	53	0.000000	~tau_2-	~tau_2+
283	-1	53	0.000000	~tau_1-	~tau_2+
284	-1	53	0.000000	~tau_1+	~tau_2-
285	-1	53	0.000000	~nu_tauL	~nu_tauLbar
286	-1	53	0.000000	~nu_tauR	~nu_tauRbar
287	-1	53	0.000000	~nu_tauL	~nu_tauRbar
288	-1	53	0.000000	~nu_tauLbar	~nu_tauR

32	32	Z'0				0	0	0	500.00000	14.54029	145.40294	0.00000E+00	1
289	1	32	0.145835	d		dbar							
290	1	32	0.113276	u		ubar							

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9900330   358   phi_diff           0   0   0   0.00000   0.00000   0.00000   0.00000E+00   0
9900440   359   J/psi_di           0   0   0   0.00000   0.00000   0.00000   0.00000E+00   0
9902110   360   n_diffro          n_diffrbar0     0   0   1   0.00000   0.00000   0.00000   0.00000E+00   0
9902210   361   p_diffro+        p_diffrbar-     3   0   1   0.00000   0.00000   0.00000   0.00000E+00   0
DumpMC
AthenaEventLoopMgr INFO ===>>> start of run 99 <<<===
AthenaEventLoopMgr INFO ===>>> start of event 0 <<<===
Pythia             INFO PYTHIA generating.

Pythia             INFO PYEVNT event no. 1 will be listed

```

Event listing (summary)

I	particle/jet	KS	KF	orig	p_x	p_y	p_z	E	m
1	!p+	21	2212	0	0.000	0.000	7000.000	7000.000	0.938
2	!p+	21	2212	0	0.000	0.000	-7000.000	7000.000	0.938
=====									
3	!g!	21	21	1	-0.315	0.408	544.328	544.328	0.000
4	!d!	21	1	2	0.586	1.350	-1738.965	1738.966	0.000
5	!g!	21	21	3	-1.748	-47.440	-29.697	55.995	0.000
6	!g!	21	21	4	44.813	-4.053	-508.911	510.896	0.000
7	!h0!	21	25	0	22.364	-49.620	-303.527	330.894	120.000
8	!W+	21	24	7	-11.220	-36.985	-209.784	227.997	80.494
9	!W-	21	-24	7	33.584	-12.636	-93.743	102.898	22.641
10	!e+	21	-11	8	5.187	24.553	-48.845	54.914	0.001
11	!nu_e!	21	12	8	-16.407	-61.538	-160.939	173.083	0.000
12	!tau-	21	15	9	24.383	-3.605	-35.561	43.304	1.777
13	!nu_taubar!	21	-16	9	9.201	-9.031	-58.182	59.593	0.000
=====									
14	(h0)	11	25	7	22.364	-49.620	-303.527	330.894	120.000
15	(W+)	11	24	14	-11.220	-36.985	-209.784	227.997	80.494
16	(W-)	11	-24	14	33.584	-12.636	-93.743	102.898	22.641
17	e+	1	-11	15	5.187	24.553	-48.845	54.914	0.001
18	nu_e	1	12	15	-16.407	-61.538	-160.939	173.083	0.000
19	tau-	1	15	16	24.383	-3.605	-35.561	43.304	1.777
20	nu_taubar	1	-16	16	9.201	-9.031	-58.182	59.593	0.000
21	(u)	A 12	2	1	0.275	-0.034	2651.149	2651.149	0.000
22	(sbar)	V 11	-3	1	0.004	-0.331	-0.675	0.752	0.000
23	(ud_0)	A 12	2101	1	0.550	-0.265	1789.562	1789.562	0.000
24	(u)	V 11	2	2	-0.087	0.210	-1.624	1.672	0.330
25	(uu_1)	A 12	2203	2	-0.755	0.130	-4096.648	4096.648	0.000
26	(g)	I 12	21	2	-0.579	-0.615	-0.392	0.931	0.000

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27	(g)	I	12	21	2	-0.454	0.442	0.204	0.666	0.000
28	(g)	I	12	21	1	-0.697	2.064	-34.699	34.767	0.000
29	(g)	I	12	21	1	0.303	1.057	-18.965	18.997	0.000
30	(g)	I	12	21	1	1.205	0.229	-14.466	14.518	0.000
31	(g)	I	12	21	1	-0.287	0.446	-6.972	6.992	0.000
32	(g)	I	12	21	1	-4.150	2.442	-37.697	38.003	0.000
33	(g)	I	12	21	1	-0.410	0.733	-4.944	5.015	0.000
34	(g)	I	12	21	1	-0.793	0.056	-5.536	5.593	0.000
35	(g)	I	12	21	2	-1.243	-0.594	-19.592	19.640	0.000
36	(g)	I	12	21	2	-0.109	0.483	-21.295	21.301	0.000
37	(g)	I	12	21	2	-0.561	1.308	-22.833	22.878	0.000
38	(g)	I	12	21	2	-0.267	0.412	-2.769	2.813	0.000
39	(g)	I	12	21	2	1.503	1.601	-13.355	13.535	0.000
40	(g)	I	12	21	2	-0.170	0.235	-4.198	4.208	0.000
41	(g)	I	12	21	2	-0.760	0.241	-2.403	2.532	0.000
42	(g)	I	12	21	2	0.421	-1.192	-2.988	3.245	0.000
43	(g)	I	12	21	2	-0.536	-0.281	-0.617	0.864	0.000
44	(g)	I	12	21	2	-0.589	-0.557	0.175	0.829	0.000
45	(u)	V	11	2	2	0.169	-0.185	2.866	2.896	0.330
46	(cbar)	A	12	-4	1	-1.601	-4.141	18.379	18.967	1.500
47	(g)	I	12	21	2	0.171	0.861	0.832	1.210	0.000
48	(g)	I	12	21	2	4.164	3.719	-13.024	14.170	0.000
49	(g)	I	12	21	2	0.152	1.604	-2.594	3.054	0.000
50	(g)	I	12	21	2	-1.146	0.423	-2.855	3.105	0.000
51	(g)	I	12	21	2	1.682	-0.254	-2.979	3.430	0.000
52	(g)	I	12	21	2	0.930	1.043	-2.183	2.591	0.000
53	(g)	I	12	21	2	0.499	0.362	-3.677	3.729	0.000
54	(g)	I	12	21	2	0.559	0.360	-3.282	3.348	0.000
55	(g)	I	12	21	2	-1.082	-0.219	-2.440	2.678	0.000
56	(g)	I	12	21	2	0.258	-0.574	-0.775	0.998	0.000
57	(g)	I	12	21	2	1.068	-2.241	-0.562	2.546	0.000
58	(s)	V	11	3	2	0.184	-0.238	-0.521	0.782	0.500
59	(d)	A	12	1	4	-3.572	0.163	-113.783	113.840	0.330
60	(g)	I	12	21	4	-2.135	2.696	-71.855	71.937	0.000
61	(g)	I	12	21	4	-0.425	0.940	-41.552	41.565	0.000
62	(g)	I	12	21	4	0.186	0.168	-2.733	2.745	0.000
63	(g)	I	12	21	4	0.188	-0.399	-0.102	0.453	0.000
64	(g)	I	12	21	4	-0.599	-0.668	-0.847	1.234	0.000
65	(g)	I	12	21	4	-3.413	-0.847	-1.179	3.709	0.000
66	(g)	I	12	21	4	-2.135	-0.845	0.002	2.296	0.000
67	(g)	I	12	21	4	-1.193	-0.699	-0.584	1.501	0.000
68	(g)	I	12	21	4	-14.027	-5.537	-3.195	15.415	0.000
69	(g)	I	12	21	4	-0.347	-0.183	0.016	0.393	0.000
70	(g)	I	12	21	4	0.254	0.717	0.074	0.765	0.000
71	(g)	I	12	21	4	-0.671	0.842	3.600	3.757	0.000
72	(g)	I	12	21	4	-0.674	-0.301	2.237	2.356	0.000
73	(g)	I	12	21	4	-1.880	1.173	0.632	2.304	0.000
74	(g)	I	12	21	4	-0.719	1.779	0.438	1.968	0.000
75	(g)	I	12	21	4	0.476	0.860	0.648	1.177	0.000

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76 (g)	I	12	21	3	-18.196	24.993	94.183	99.127	0.000
77 (g)	I	12	21	3	-0.567	0.839	1.404	1.731	0.000
78 (g)	I	12	21	3	-10.012	8.355	63.687	65.008	0.000
79 (g)	I	12	21	3	-1.320	1.103	7.580	7.773	0.000
80 (g)	I	12	21	3	-3.370	4.788	37.926	38.375	0.000
81 (g)	I	12	21	3	-1.067	0.938	12.132	12.215	0.000
82 (g)	I	12	21	3	-2.386	3.600	18.343	18.844	0.000
83 (g)	I	12	21	3	-1.065	0.783	10.071	10.158	0.000
84 (g)	I	12	21	3	-0.097	0.122	3.348	3.352	0.000
85 (g)	I	12	21	3	-2.357	1.076	13.188	13.440	0.000
86 (g)	I	12	21	3	0.741	5.051	52.885	53.131	0.000
87 (g)	I	12	21	3	0.356	0.654	19.224	19.238	0.000
88 (g)	I	12	21	1	-0.540	0.700	22.139	22.157	0.000
89 (g)	I	12	21	1	0.136	0.173	54.789	54.789	0.000
90 (g)	I	12	21	1	-0.845	1.762	275.016	275.023	0.000
91 (ubar)	V	11	-2	2	-0.498	1.639	221.957	221.964	0.330
92 (c)	A	12	4	1	0.889	0.317	-30.365	30.417	1.500
93 (g)	I	12	21	1	-6.861	-2.213	-156.606	156.771	0.000
94 (g)	I	12	21	2	-0.692	-0.150	-27.852	27.861	0.000
95 (g)	I	12	21	2	0.383	0.194	-8.067	8.078	0.000
96 (g)	I	12	21	2	-1.825	-2.442	-69.535	69.601	0.000
97 (g)	I	12	21	1	-0.219	0.269	-2.480	2.504	0.000
98 (g)	I	12	21	1	-0.748	-1.095	-2.601	2.920	0.000
99 (g)	I	12	21	1	0.526	0.097	-6.769	6.790	0.000
100 (g)	I	12	21	1	0.051	-0.273	-0.440	0.520	0.000
101 (g)	I	12	21	1	-0.159	0.343	-0.672	0.771	0.000
102 (g)	I	12	21	1	2.540	3.182	-0.724	4.135	0.000
103 (g)	I	12	21	1	-0.195	0.211	-1.565	1.591	0.000
104 (cbar)	V	11	-4	1	0.460	0.392	-2.235	2.759	1.500
105 (s)	A	12	3	1	-1.076	-0.214	-31.757	31.780	0.500
106 (g)	I	12	21	1	0.696	-1.682	-53.737	53.768	0.000
107 (g)	I	12	21	1	-0.286	-0.399	-5.449	5.471	0.000
108 (g)	I	12	21	1	-0.197	0.881	-3.794	3.899	0.000
109 (g)	I	12	21	1	0.251	-0.191	-3.530	3.544	0.000
110 (ubar)	V	11	-2	2	2.403	-1.559	-4.638	5.461	0.330
111 (dbar)	A	12	-1	4	-7.247	3.105	-188.019	188.185	0.330
112 (g)	I	12	21	4	-7.114	5.901	-235.864	236.045	0.000
113 (g)	I	12	21	4	-1.870	0.457	-55.593	55.626	0.000
114 (d)	V	11	1	4	0.649	-1.536	-501.302	501.305	0.330
115 (c)	A	12	4	1	1.313	0.415	5.744	6.094	1.500
116 (g)	I	12	21	1	-0.381	-0.166	4.556	4.575	0.000
117 (g)	I	12	21	3	-0.722	0.888	15.652	15.694	0.000
118 (g)	I	12	21	3	-0.360	-0.113	5.073	5.087	0.000
119 (g)	I	12	21	3	0.874	-0.094	27.828	27.842	0.000
120 (g)	I	12	21	3	0.257	-3.715	77.915	78.004	0.000
121 (g)	I	12	21	3	-0.039	-1.604	20.855	20.917	0.000
122 (g)	I	12	21	3	1.271	-1.054	17.022	17.102	0.000
123 (g)	I	12	21	3	-0.042	0.140	0.045	0.153	0.000
124 (g)	I	12	21	3	0.634	-0.245	0.573	0.889	0.000

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125 (g)	I	12	21	3	0.194	0.649	0.938	1.156	0.000
126 (g)	I	12	21	3	1.985	1.352	-3.621	4.345	0.000
127 (g)	I	12	21	3	4.725	0.878	-7.103	8.577	0.000
128 (g)	I	12	21	3	4.244	1.486	-7.134	8.432	0.000
129 (g)	I	12	21	3	15.671	4.107	-30.025	34.117	0.000
130 (g)	I	12	21	3	4.597	1.695	-12.186	13.134	0.000
131 (g)	I	12	21	3	4.256	1.122	-8.202	9.308	0.000
132 (g)	I	12	21	3	1.510	-0.288	-4.213	4.485	0.000
133 (g)	I	12	21	3	1.102	0.098	-3.492	3.663	0.000
134 (g)	I	12	21	3	-0.191	-0.342	-3.541	3.563	0.000
135 (g)	I	12	21	3	16.677	-12.569	-80.157	82.833	0.000
136 (g)	I	12	21	3	5.210	-3.254	-17.460	18.509	0.000
137 (d \bar{b})	V	11	-1	2	0.113	-2.622	-8.164	8.582	0.330
138 (u \bar{b})	A	12	-2	2	-1.761	-1.001	8.964	9.196	0.330
139 (g)	I	12	21	2	1.123	-1.396	9.492	9.659	0.000
140 (g)	I	12	21	2	-0.041	0.209	1.976	1.988	0.000
141 (g)	I	12	21	2	1.335	0.423	18.234	18.288	0.000
142 (g)	I	12	21	2	2.460	-1.285	107.032	107.068	0.000
143 (g)	I	12	21	1	-1.501	4.095	530.740	530.758	0.000
144 (g)	I	12	21	1	-0.653	0.225	50.030	50.034	0.000
145 (g)	I	12	21	1	1.002	-0.489	51.434	51.446	0.000
146 (g)	I	12	21	1	1.048	0.032	153.594	153.598	0.000
147 (g)	I	12	21	1	0.321	0.234	8.625	8.634	0.000
148 (g)	I	12	21	2	-0.199	-4.271	94.552	94.649	0.000
149 (g)	I	12	21	2	2.240	-2.553	72.305	72.385	0.000
150 (g)	I	12	21	2	-1.596	0.228	21.758	21.817	0.000
151 (g)	I	12	21	2	-0.192	0.057	0.436	0.480	0.000
152 (g)	I	12	21	2	0.424	-0.031	1.897	1.944	0.000
153 (g)	I	12	21	2	0.878	1.311	4.331	4.610	0.000
154 (g)	I	12	21	2	0.829	0.355	3.039	3.170	0.000
155 (g)	I	12	21	2	-0.032	-0.062	5.202	5.203	0.000
156 (g)	I	12	21	2	-0.961	0.093	13.186	13.222	0.000
157 (g)	I	12	21	2	-0.941	0.044	7.315	7.375	0.000
158 (g)	I	12	21	2	-0.248	0.812	7.171	7.221	0.000
159 (u)	V	11	2	2	-0.802	0.691	118.628	118.633	0.330
160 (d \bar{b})	A	12	-1	1	0.422	0.440	0.791	1.052	0.330
161 (g)	I	12	21	1	0.311	-0.267	0.322	0.522	0.000
162 (g)	I	12	21	1	-0.332	-1.105	-0.407	1.223	0.000
163 (g)	I	12	21	1	-0.326	-0.233	-1.350	1.408	0.000
164 (g)	I	12	21	1	0.040	0.257	-0.461	0.529	0.000
165 (g)	I	12	21	1	0.984	-2.112	-1.122	2.586	0.000
166 (g)	I	12	21	1	2.455	-1.239	-1.986	3.392	0.000
167 (g)	I	12	21	2	-0.060	-0.387	-1.038	1.109	0.000
168 (g)	I	12	21	2	0.982	-0.024	-85.414	85.419	0.000
169 (g)	I	12	21	2	-0.526	0.719	-22.906	22.923	0.000
170 (g)	I	12	21	2	0.088	1.030	-11.016	11.065	0.000
171 (g)	I	12	21	2	-0.017	-0.305	-0.698	0.762	0.000
172 (g)	I	12	21	2	0.612	0.759	-5.581	5.665	0.000
173 (g)	I	12	21	2	-0.735	0.009	-1.664	1.819	0.000

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174 (g)	I	12	21	2	0.471	-0.351	-1.764	1.860	0.000
175 (g)	I	12	21	2	0.051	1.374	-2.753	3.077	0.000
176 (g)	I	12	21	2	-2.376	0.932	-1.528	2.975	0.000
177 (g)	I	12	21	2	-0.621	-0.372	-0.767	1.054	0.000
178 (d)	V	11	1	1	-0.706	2.764	3.153	4.265	0.330
179 (d)	A	12	1	2	0.165	-0.367	-3.280	3.321	0.330
180 (g)	I	12	21	2	-0.816	-0.600	-2.231	2.450	0.000
181 (g)	I	12	21	2	-1.657	-0.273	-1.553	2.288	0.000
182 (g)	I	12	21	1	-0.066	-0.110	0.053	0.139	0.000
183 (g)	I	12	21	1	1.816	0.824	1.979	2.809	0.000
184 (g)	I	12	21	1	3.694	0.595	5.314	6.499	0.000
185 (g)	I	12	21	1	1.094	0.445	0.995	1.544	0.000
186 (g)	I	12	21	1	-2.802	0.133	7.003	7.544	0.000
187 (g)	I	12	21	1	-0.354	0.476	1.770	1.867	0.000
188 (g)	I	12	21	1	-0.171	0.109	0.993	1.014	0.000
189 (g)	I	12	21	1	-1.940	-1.038	10.808	11.030	0.000
190 (g)	I	12	21	1	0.327	0.347	0.901	1.019	0.000
191 (g)	I	12	21	1	0.404	1.572	9.958	10.090	0.000
192 (g)	I	12	21	1	-0.152	-0.307	3.468	3.485	0.000
193 (g)	I	12	21	1	2.238	-0.887	21.544	21.678	0.000
194 (g)	I	12	21	1	2.157	-0.291	9.301	9.552	0.000
195 (g)	I	12	21	1	0.562	0.179	6.528	6.555	0.000
196 (g)	I	12	21	2	0.622	-4.669	13.270	14.081	0.000
197 (g)	I	12	21	2	-0.058	-1.368	2.339	2.710	0.000
198 (sbar)	V	11	-3	2	0.329	-0.529	0.216	0.827	0.500
199 (g)	A	12	21	2	-0.345	-1.619	-20.377	20.445	0.000
200 (g)	I	12	21	2	0.084	0.430	-0.743	0.863	0.000
201 (g)	I	12	21	2	0.058	-0.147	-2.004	2.010	0.000
202 (g)	I	12	21	2	-2.069	1.800	-288.850	288.863	0.000
203 (g)	I	12	21	1	0.189	-0.279	-8.033	8.040	0.000
204 (g)	I	12	21	1	-0.392	0.002	-4.289	4.306	0.000
205 (g)	I	12	21	1	0.571	-0.285	-2.518	2.597	0.000
206 (g)	I	12	21	1	0.561	0.373	-1.443	1.593	0.000
207 (g)	I	12	21	1	0.367	-0.264	-0.270	0.526	0.000
208 (g)	I	12	21	1	-0.084	0.648	-3.046	3.115	0.000
209 (g)	V	11	21	1	0.544	-0.431	-0.639	0.943	0.000
=====									
210 (string)		11	92	21	0.279	-0.366	2650.474	2651.901	86.969
211 (rho+)		11	213	210	-0.172	-0.252	964.537	964.537	0.634
212 (rho-)		11	-213	210	0.364	0.462	1019.686	1019.687	0.877
213 (pi0)		11	111	210	0.316	-0.008	64.121	64.122	0.135
214 (rho+)		11	213	210	0.155	-0.371	344.394	344.395	0.910
215 pi-		1	-211	210	-0.416	0.148	180.761	180.761	0.140
216 (rho+)		11	213	210	0.308	0.662	31.088	31.108	0.833
217 (rho-)		11	-213	210	-0.336	-0.412	11.178	11.215	0.740
218 (K**)		11	323	210	-0.506	-0.684	16.880	16.923	0.850
219 (Kbar0)		11	-311	210	0.309	0.435	11.877	11.900	0.498
220 (pi0)		11	111	210	0.511	0.110	1.968	2.041	0.135
221 (eta)		11	221	210	-0.323	-0.167	2.034	2.137	0.547

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222 (omega)	11	223	210	0.304	-0.103	0.614	1.038	0.772
223 (pi0)	11	111	210	-0.394	-0.221	0.453	0.654	0.135
224 (K*0)	11	313	210	0.159	0.036	0.884	1.384	1.053
225 (string)	11	92	23	0.464	-0.055	1787.939	1791.235	108.614
226 p+	1	2212	225	-0.314	-0.143	358.171	358.172	0.938
227 pi-	1	-211	225	0.275	0.085	105.638	105.638	0.140
228 (omega)	11	223	225	-0.462	-0.185	643.923	643.924	0.788
229 (K*bar0)	11	-313	225	0.996	0.106	597.070	597.072	0.899
230 (K*0)	11	313	225	0.436	0.379	46.280	46.292	0.906
231 (rho0)	11	113	225	-0.056	-0.674	28.116	28.147	1.112
232 pi+	1	211	225	-0.544	-0.258	7.232	7.259	0.140
233 (rho-)	11	-213	225	0.085	0.369	0.528	0.885	0.601
234 pi+	1	211	225	0.087	0.310	0.121	0.371	0.140
235 (rho0)	11	113	225	0.388	-0.092	0.323	0.885	0.721
236 pi-	1	-211	225	-0.506	-0.307	1.317	1.450	0.140
237 (rho+)	11	213	225	0.080	0.355	-0.780	1.140	0.747
238 (string)	11	92	25	-8.759	8.455	-4307.124	4316.870	289.646
239 pi+	1	211	238	-0.420	0.311	-2612.419	2612.419	0.140
240 (Delta+)	11	2214	238	0.244	0.142	-859.317	859.318	1.275
241 (rho-)	11	-213	238	-0.011	-0.182	-323.561	323.561	0.708
242 (pi0)	11	111	238	-0.438	-0.027	-115.322	115.323	0.135
243 pi+	1	211	238	0.070	0.401	-18.693	18.698	0.140
244 (rho-)	11	-213	238	0.265	-0.222	-124.850	124.853	0.827
245 (eta)	11	221	238	-0.788	-0.306	-17.152	17.181	0.547
246 (eta)	11	221	238	0.636	0.085	-19.571	19.589	0.547
247 (K*bar0)	11	-313	238	-0.202	-0.327	-4.983	5.072	0.864
248 (Sigma*bar+)	11	-3114	238	-0.963	0.177	-2.321	2.873	1.381
249 (rho-)	11	-213	238	0.399	-0.117	-3.186	3.320	0.834
250 n0	1	2112	238	-0.659	0.101	-1.140	1.621	0.940
251 (omega)	11	223	238	0.272	1.124	-9.674	9.775	0.790
252 (eta)	11	221	238	-0.214	0.626	-12.179	12.209	0.547
253 (Kbar0)	11	-311	238	0.157	-0.043	-3.228	3.271	0.498
254 K+	1	321	238	-0.083	0.554	-14.491	14.511	0.494
255 (rho0)	11	113	238	-0.888	1.363	-18.591	18.679	0.804
256 (rho-)	11	-213	238	0.259	0.295	-12.827	12.854	0.735
257 (Kbar0)	11	-311	238	-0.169	0.229	-5.040	5.073	0.498
258 (K*+)	11	323	238	-1.029	0.791	-11.457	11.566	0.902
259 (rho-)	11	-213	238	-1.744	1.440	-18.571	18.726	0.801
260 (pi0)	11	111	238	-0.617	-0.210	-21.189	21.200	0.135
261 (rho0)	11	113	238	-0.726	0.558	-7.976	8.049	0.576
262 pi+	1	211	238	-0.656	0.694	-13.457	13.491	0.140
263 (rho-)	11	-213	238	-1.161	0.099	-15.356	15.422	0.818
264 pi+	1	211	238	0.022	0.230	-2.605	2.619	0.140
265 pi-	1	-211	238	0.318	0.772	-11.091	11.124	0.140
266 (rho+)	11	213	238	0.356	0.957	-7.175	7.283	0.724
267 (rho-)	11	-213	238	-1.040	0.455	-10.976	11.080	1.001
268 (Deltabar+)	11	-1114	238	1.278	-0.725	-5.515	5.863	1.339
269 (rho0)	11	113	238	-0.214	0.454	-1.190	1.474	0.709
270 (Delta-)	11	1114	238	-0.550	0.095	-3.719	3.948	1.200

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271 (K*bar0)	11	-313	238	-0.611	-0.578	-1.099	1.651	0.899
272 (K0)	11	311	238	0.419	-0.902	2.469	2.708	0.498
273 pi+	1	211	238	-0.270	0.143	0.328	0.469	0.140
274 (string)	11	92	46	5.838	0.703	-15.681	60.610	58.250
275 (D*bar0)	11	-423	274	-0.774	-1.823	8.745	9.188	2.007
276 (pi0)	11	111	274	0.198	0.015	0.911	0.942	0.135
277 (eta')	11	331	274	-0.598	-1.211	7.729	7.904	0.958
278 pi-	1	-211	274	-0.104	-0.026	0.191	0.259	0.140
279 (rho+)	11	213	274	0.056	-0.420	0.949	1.489	1.066
280 (pi0)	11	111	274	0.072	-0.216	-0.012	0.265	0.135
281 (rho-)	11	-213	274	-0.192	0.528	-0.602	1.046	0.645
282 pi+	1	211	274	0.577	0.019	-0.339	0.684	0.140
283 pi-	1	-211	274	0.581	0.305	-1.843	1.961	0.140
284 (rho+)	11	213	274	1.215	1.945	-4.532	5.181	1.021
285 (K*-)	11	-323	274	1.481	1.488	-4.689	5.214	0.889
286 K+	1	321	274	-0.847	1.748	-4.467	4.896	0.494
287 (rho-)	11	-213	274	0.605	0.486	-2.533	2.756	0.760
288 (pi0)	11	111	274	1.280	0.366	-2.045	2.444	0.135
289 (eta')	11	331	274	0.269	-0.491	-3.127	3.318	0.958
290 (omega)	11	223	274	0.251	0.186	-1.076	1.372	0.791
291 (K*bar0)	11	-313	274	0.638	0.689	-4.369	4.564	0.924
292 K+	1	321	274	0.320	-0.709	-0.349	0.986	0.494
293 (K*-)	11	-323	274	0.545	-0.203	-1.512	1.862	0.917
294 K+	1	321	274	-0.247	0.269	-1.323	1.458	0.494
295 (K*-)	11	-323	274	0.511	-2.244	-1.385	2.822	0.865
296 (string)	11	92	59	-71.774	56.436	679.690	1183.741	964.846
297 pi-	1	-211	296	-1.997	0.430	-52.245	52.285	0.140
298 pi+	1	211	296	-0.789	0.129	-40.211	40.219	0.140
299 (rho0)	11	113	296	-1.051	0.911	-39.356	39.394	1.017
300 (pi0)	11	111	296	-0.374	0.852	-18.363	18.387	0.135
301 (K*0)	11	313	296	-0.446	0.367	-23.562	23.587	0.917
302 K-	1	-321	296	-0.893	0.648	-28.188	28.214	0.494
303 pi+	1	211	296	0.103	0.030	-1.128	1.142	0.140
304 pi-	1	-211	296	-0.217	-0.299	-5.756	5.769	0.140
305 (rho+)	11	213	296	0.127	0.525	-17.524	17.540	0.525
306 (rho-)	11	-213	296	-0.919	-0.525	-2.238	2.702	1.082
307 K+	1	321	296	0.105	0.181	-1.171	1.288	0.494
308 (K*bar0)	11	-313	296	-1.219	-0.494	-1.864	2.447	0.886
309 n0	1	2112	296	-4.067	-1.650	-0.552	4.522	0.940
310 (rho+)	11	213	296	-5.798	-2.130	-1.612	6.468	1.040
311 (Deltabar--)	11	-2224	296	-1.826	-0.860	0.348	2.368	1.188
312 (omega)	11	223	296	-5.856	-2.230	-1.386	6.465	0.782
313 (eta)	11	221	296	-1.381	-0.094	-0.985	1.785	0.547
314 pi+	1	211	296	0.124	-0.078	1.343	1.358	0.140
315 (omega)	11	223	296	-1.158	-0.106	0.446	1.472	0.785
316 pi-	1	-211	296	-0.288	0.165	0.932	0.999	0.140
317 (Delta++)	11	2224	296	-0.788	0.490	1.334	2.010	1.182
318 (Deltabar--)	11	-2224	296	-1.199	2.071	1.590	3.118	1.211
319 (pi0)	11	111	296	-0.545	-0.814	1.245	1.590	0.135

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320 (eta')	11	331	296	-0.692	2.228	4.080	4.796	0.958
321 K+	1	321	296	-0.298	0.845	0.192	1.041	0.494
322 (Kbar0)	11	-311	296	-0.902	1.212	4.209	4.500	0.498
323 n0	1	2112	296	-1.835	1.952	7.292	7.825	0.940
324 nbar0	1	-2112	296	-4.839	6.941	26.141	27.492	0.940
325 pi-	1	-211	296	-4.152	6.117	20.579	21.867	0.140
326 pi+	1	211	296	-1.133	0.691	5.541	5.700	0.140
327 (rho0)	11	113	296	-2.245	3.121	10.989	11.670	0.807
328 (rho-)	11	-213	296	-4.364	6.266	28.262	29.286	0.795
329 pi+	1	211	296	-2.521	1.951	17.111	17.406	0.140
330 (omega)	11	223	296	-1.954	2.433	12.295	12.709	0.772
331 (rho-)	11	-213	296	-1.419	0.775	11.783	11.925	0.874
332 (rho+)	11	213	296	-5.114	4.876	33.729	34.471	0.798
333 n0	1	2112	296	-1.057	2.154	13.550	13.793	0.940
334 pbar-	1	-2212	296	-3.053	2.586	24.292	24.637	0.938
335 (rho+)	11	213	296	-1.842	2.058	16.853	17.094	0.741
336 (K*0)	11	313	296	-1.330	1.867	18.723	18.884	0.905
337 K-	1	-321	296	-0.267	0.988	10.217	10.280	0.494
338 (omega)	11	223	296	0.140	1.167	7.183	7.320	0.783
339 (rho0)	11	113	296	-0.623	0.333	6.605	6.679	0.696
340 (Delta++)	11	2224	296	-0.096	0.915	24.303	24.351	1.216
341 (eta)	11	221	296	-0.923	0.695	14.300	14.357	0.547
342 (Deltabar--)	11	-2224	296	0.511	2.647	34.726	34.855	1.294
343 (rho+)	11	213	296	0.048	0.302	35.976	35.986	0.808
344 (rho-)	11	-213	296	-0.304	0.293	68.485	68.493	0.963
345 pi+	1	211	296	-0.210	0.426	42.081	42.084	0.140
346 (rho-)	11	-213	296	-0.949	3.078	409.097	409.110	0.723
347 (string)	11	92	92	-5.848	-1.166	-309.910	314.719	54.483
348 (D*+)	11	413	347	-0.394	0.140	-42.480	42.529	2.010
349 (pi0)	11	111	347	-0.323	0.239	-7.494	7.506	0.135
350 pi-	1	-211	347	-1.129	-1.203	-35.424	35.463	0.140
351 pi+	1	211	347	-0.287	0.045	-2.617	2.637	0.140
352 (pi0)	11	111	347	-0.648	0.094	-28.968	28.975	0.135
353 (rho0)	11	113	347	-0.926	-0.205	-30.922	30.952	0.974
354 (K*0)	11	313	347	-1.649	-0.828	-29.723	29.790	0.774
355 (K*-)	11	-323	347	-2.002	-1.641	-71.429	71.481	0.913
356 (Delta++)	11	2224	347	-0.545	0.088	-18.376	18.427	1.250
357 (rho0)	11	113	347	-0.283	-0.512	-21.549	21.569	0.726
358 pbar-	1	-2212	347	0.054	-0.987	-6.485	6.627	0.938
359 pi-	1	-211	347	0.068	0.139	-0.715	0.745	0.140
360 (omega)	11	223	347	-0.578	0.339	-2.464	2.671	0.782
361 (Delta+)	11	2214	347	0.514	0.066	-2.100	2.463	1.179
362 (pi0)	11	111	347	-0.255	-0.126	-0.184	0.365	0.135
363 nbar0	1	-2112	347	0.305	0.022	-2.391	2.587	0.940
364 (rho-)	11	-213	347	0.130	0.240	-1.607	1.795	0.753
365 pi+	1	211	347	0.116	0.436	0.090	0.481	0.140
366 (rho-)	11	-213	347	0.316	0.224	-1.246	1.569	0.871
367 (K*+)	11	323	347	1.370	1.138	-0.648	2.096	0.895
368 (D*_s-)	11	-433	347	0.297	1.127	-3.179	3.991	2.112

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369 (string)	11	92	105	1.792	-3.164	-102.904	103.923	14.054
370 (K*-)	11	-323	369	-0.419	-0.953	-33.589	33.615	0.779
371 (rho0)	11	113	369	-0.235	-0.401	-22.122	22.146	0.919
372 pi+	1	211	369	-0.494	0.247	-3.023	3.076	0.140
373 (rho-)	11	-213	369	0.519	-0.522	-20.828	20.858	0.838
374 pi+	1	211	369	0.253	-0.385	-8.813	8.826	0.140
375 (eta)	11	221	369	0.276	0.130	-2.020	2.115	0.547
376 (rho0)	11	113	369	-0.123	-0.390	-5.421	5.525	0.985
377 (K*0)	11	313	369	0.118	-0.236	-2.121	2.319	0.898
378 (K*-)	11	-323	369	1.896	-0.653	-4.966	5.444	0.973
379 (string)	11	92	111	-15.581	7.928	-980.778	981.161	21.102
380 pi+	1	211	379	-5.555	2.723	-160.496	160.616	0.140
381 (rho-)	11	-213	379	-5.086	3.493	-145.071	145.204	0.713
382 (rho0)	11	113	379	-1.630	0.803	-60.892	60.924	0.744
383 (omega)	11	223	379	-2.066	1.477	-66.750	66.803	0.783
384 pi+	1	211	379	-0.628	0.339	-11.954	11.976	0.140
385 (rho-)	11	-213	379	-0.338	0.184	-38.903	38.909	0.553
386 (omega)	11	223	379	-0.597	0.364	-51.412	51.422	0.770
387 (K*bar0)	11	-313	379	0.000	-0.500	-149.691	149.695	0.915
388 (eta)	11	221	379	0.423	-0.588	-179.457	179.459	0.547
389 (K0)	11	311	379	-0.104	-0.368	-116.151	116.153	0.498
390 (string)	11	92	115	62.897	-13.235	-9.096	377.061	371.431
391 (D*0)	11	423	390	-0.096	0.348	16.071	16.199	2.007
392 (pi0)	11	111	390	-0.162	0.797	3.313	3.414	0.135
393 (K**)	11	323	390	0.556	-0.212	5.418	5.521	0.883
394 (K*-)	11	-323	390	0.455	-0.299	8.217	8.286	0.920
395 (rho+)	11	213	390	0.149	-0.301	22.555	22.571	0.786
396 (pi0)	11	111	390	-0.347	-0.689	9.206	9.239	0.135
397 (K*0)	11	313	390	-0.215	-0.681	19.361	19.395	0.892
398 (Kbar0)	11	-311	390	0.157	-0.962	16.500	16.536	0.498
399 (rho-)	11	-213	390	1.372	-0.764	27.048	27.099	0.549
400 (rho+)	11	213	390	-0.296	-0.933	16.427	16.477	0.820
401 (Delta-)	11	1114	390	-0.307	-0.863	19.093	19.156	1.252
402 (Deltabar+)	11	-1114	390	0.895	-0.458	7.624	7.789	1.235
403 (omega)	11	223	390	0.724	-0.136	2.214	2.454	0.760
404 (K*0)	11	313	390	-0.393	-0.149	2.354	2.505	0.747
405 Sigma-	4	3112	390	1.217	0.512	-1.875	2.587	1.197
406 (Deltabar+)	11	-1114	390	1.121	0.668	-0.778	1.951	1.224
407 (K0)	11	311	390	1.171	0.348	-1.724	2.170	0.498
408 (K*-)	11	-323	390	1.918	0.689	-2.273	3.193	0.935
409 (rho0)	11	113	390	5.013	0.544	-9.450	10.718	0.371
410 pi+	1	211	390	1.124	0.692	-1.792	2.231	0.140
411 (Delta0)	11	2114	390	3.903	1.368	-8.888	9.873	1.166
412 (K*bar0)	11	-313	390	6.381	1.864	-12.148	13.878	0.897
413 (Sigmabar0)	11	-3212	390	5.292	1.649	-10.300	11.758	1.193
414 pi-	1	-211	390	2.629	0.167	-6.119	6.663	0.140
415 (pi0)	11	111	390	0.470	0.017	-1.944	2.004	0.135
416 (rho+)	11	213	390	3.285	1.396	-7.042	7.942	0.860
417 (eta')	11	331	390	2.143	0.577	-5.355	5.875	0.958

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418	pi-	1	-211	390	0.569	0.208	-1.076	1.243	0.140
419	(omega)	11	223	390	1.198	-0.060	-4.195	4.433	0.782
420	(rho+)	11	213	390	2.463	-1.560	-7.769	8.334	0.772
421	(rho-)	11	-213	390	4.667	-3.200	-26.266	26.881	0.818
422	(rho0)	11	113	390	6.093	-4.513	-27.117	28.168	0.785
423	(K*+)	11	323	390	3.934	-2.835	-17.036	17.737	0.930
424	(phi)	11	333	390	4.486	-3.260	-21.555	22.280	1.019
425	K-	1	-321	390	0.817	-0.923	-2.972	3.255	0.494
426	(rho+)	11	213	390	0.509	-2.284	-6.822	7.245	0.695
427	(string)	11	92	138	2.736	-2.275	1289.941	1291.377	60.781
428	(rho-)	11	-213	427	-1.537	-1.314	8.504	8.761	0.582
429	nbar0	1	-2112	427	1.487	-0.779	17.874	17.978	0.940
430	n0	1	2112	427	0.017	0.293	8.055	8.115	0.940
431	(rho+)	11	213	427	0.993	-0.922	39.873	39.903	0.755
432	(Deltabar--)	11	-2224	427	1.100	0.625	49.525	49.556	1.251
433	(Delta++)	11	2224	427	0.883	-0.569	82.032	82.049	1.289
434	pi-	1	-211	427	-0.239	0.508	25.024	25.031	0.140
435	(omega)	11	223	427	-0.676	0.891	197.494	197.499	0.780
436	(omega)	11	223	427	-0.540	1.328	113.033	113.045	0.794
437	(K*bar0)	11	-313	427	0.870	1.314	240.756	240.763	0.949
438	(K*0)	11	313	427	0.044	-0.172	65.155	65.162	0.887
439	(rho+)	11	213	427	0.300	-0.424	54.238	54.246	0.796
440	(rho0)	11	113	427	0.448	-0.265	46.191	46.204	0.968
441	K-	1	-321	427	0.413	-3.664	73.431	73.525	0.494
442	(K*+)	11	323	427	0.558	-1.054	37.585	37.615	0.906
443	(omega)	11	223	427	-0.786	0.214	14.106	14.152	0.784
444	(pi0)	11	111	427	0.521	-0.402	16.258	16.272	0.135
445	(eta)	11	221	427	0.717	-1.466	26.607	26.662	0.547
446	(rho-)	11	-213	427	0.595	0.656	9.062	9.122	0.546
447	(rho0)	11	113	427	0.232	0.212	2.609	2.733	0.752
448	(rho+)	11	213	427	-0.624	0.059	10.019	10.066	0.753
449	(rho-)	11	-213	427	0.283	0.398	5.062	5.148	0.803
450	(Deltabar-)	11	-2214	427	-0.488	0.477	5.726	5.915	1.318
451	pi+	1	211	427	-0.013	0.368	4.428	4.446	0.140
452	(Delta0)	11	2114	427	-0.064	0.469	14.612	14.663	1.125
453	(Kbar0)	11	-311	427	-1.640	0.210	32.137	32.183	0.498
454	(K*0)	11	313	427	0.397	0.314	69.858	69.866	0.886
455	pi+	1	211	427	-0.513	0.420	20.690	20.701	0.140
456	(string)	11	92	160	0.715	1.890	-136.188	152.705	69.047
457	(rho+)	11	213	456	0.277	-0.082	0.323	0.729	0.587
458	(rho0)	11	113	456	-0.199	-0.297	-0.265	0.919	0.804
459	pi-	1	-211	456	0.219	0.035	-0.131	0.293	0.140
460	pi+	1	211	456	-0.296	0.229	-0.062	0.404	0.140
461	(Deltabar-)	11	-2214	456	0.102	-0.817	0.076	1.455	1.197
462	pi-	1	-211	456	0.362	-1.381	-1.439	2.032	0.140
463	(Delta++)	11	2224	456	1.345	-0.300	-1.958	2.704	1.257
464	(K*-)	11	-323	456	1.549	-1.807	-2.093	3.352	1.089
465	(K0)	11	311	456	0.346	-0.349	-9.622	9.647	0.498
466	(rho+)	11	213	456	-0.165	0.439	-6.813	6.870	0.751

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467 (omega)	11	223	456	0.041	-0.148	-4.607	4.676	0.783
468 (pi0)	11	111	456	0.312	-0.137	-3.998	4.015	0.135
469 pi-	1	-211	456	0.372	0.013	-1.363	1.420	0.140
470 (rho+)	11	213	456	-0.403	-0.013	-35.048	35.059	0.818
471 (omega)	11	223	456	0.066	0.739	-25.929	25.951	0.772
472 (eta)	11	221	456	0.832	0.365	-16.252	16.287	0.547
473 (K*-)	11	-323	456	-1.114	0.039	-16.686	16.747	0.895
474 K+	1	321	456	0.397	0.889	-3.577	3.739	0.494
475 pbar-	1	-2212	456	-0.011	0.251	-2.923	3.080	0.938
476 p+	1	2212	456	-0.236	0.242	-3.251	3.401	0.938
477 (rho-)	11	-213	456	0.334	0.294	-0.950	1.298	0.765
478 (pi0)	11	111	456	-0.189	-0.100	-0.208	0.328	0.135
479 (Sigmabar0)	11	-3212	456	-1.132	1.125	-1.741	2.645	1.193
480 Sigma+	4	3222	456	-1.153	0.798	0.181	1.847	1.189
481 pbar-	1	-2212	456	-0.452	0.825	0.962	1.640	0.938
482 p+	1	2212	456	-0.557	0.421	0.678	1.352	0.938
483 pi-	1	-211	456	0.066	0.618	0.507	0.814	0.140
484 (string)	11	92	179	5.392	-5.759	89.377	110.503	64.501
485 (K*0)	11	313	484	-1.733	-1.110	-3.094	3.826	0.910
486 (Sigma*0)	11	3214	484	0.606	0.392	-0.508	1.658	1.403
487 pi+	1	211	484	0.453	0.274	-0.447	0.707	0.140
488 (Deltabar--)	11	-2224	484	-0.780	-0.743	-2.185	2.756	1.289
489 (rho+)	11	213	484	0.388	0.570	0.930	1.362	0.718
490 pi-	1	-211	484	0.711	-0.107	1.098	1.319	0.140
491 (pi0)	11	111	484	1.525	-0.133	1.270	1.994	0.135
492 (K*+)	11	323	484	0.941	1.188	2.052	2.683	0.833
493 K-	1	-321	484	1.231	-0.108	1.970	2.377	0.494
494 n0	1	2112	484	-0.355	0.778	1.865	2.257	0.940
495 nbar0	1	-2112	484	-0.912	-0.152	4.290	4.488	0.940
496 (K*+)	11	323	484	-1.235	-0.278	4.825	5.058	0.832
497 (phi)	11	333	484	-0.629	0.370	4.267	4.446	1.017
498 (K*-)	11	-323	484	-0.419	0.940	8.940	9.042	0.879
499 (K*+)	11	323	484	-0.049	-0.636	6.767	6.872	1.014
500 Xi-	4	3312	484	1.662	-0.373	11.022	11.230	1.321
501 (rho0)	11	113	484	0.041	0.125	3.717	3.777	0.658
502 (Sigmabar0)	11	-3212	484	1.705	-0.168	18.681	18.797	1.193
503 (rho0)	11	113	484	1.032	-0.744	6.322	6.502	0.829
504 (rho+)	11	213	484	0.673	-1.684	6.026	6.355	0.883
505 pi-	1	-211	484	-0.068	-0.285	0.197	0.380	0.140
506 (K*+)	11	323	484	-0.416	-0.320	2.652	2.848	0.897
507 (K*-)	11	-323	484	1.279	-3.025	8.081	8.769	0.899
508 K+	1	321	484	-0.256	-0.528	0.641	1.000	0.494
509 (string)	11	92	199	-0.515	0.228	-332.212	333.302	26.928
510 pi+	1	211	509	-0.202	-0.495	-6.509	6.532	0.140
511 (rho0)	11	113	509	0.754	-0.446	-4.711	4.856	0.786
512 K-	1	-321	509	-0.304	-0.183	-13.306	13.320	0.494
513 (K*+)	11	323	509	-0.198	0.060	-5.643	5.718	0.894
514 (Deltabar-)	11	-2214	509	-0.217	0.057	-68.686	68.698	1.247
515 (rho0)	11	113	509	-0.876	0.014	-54.652	54.665	0.857

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516	n0	1	2112	509	-0.153	0.982	-105.204	105.212	0.940
517	pi+	1	211	509	-0.868	0.236	-31.579	31.592	0.140
518	(rho0)	11	113	509	1.284	-0.250	-14.977	15.068	1.018
519	(rho-)	11	-213	509	-0.638	0.620	-14.189	14.236	0.731
520	pi+	1	211	509	-0.115	-0.449	-1.421	1.501	0.140
521	K-	1	-321	509	0.687	-0.247	-4.788	4.868	0.494
522	K+	1	321	509	0.256	0.136	-1.029	1.178	0.494
523	K-	1	-321	509	0.457	-0.387	-2.832	2.937	0.494
524	(K0)	11	311	509	-0.063	0.314	-2.142	2.222	0.498
525	(pi0)	11	111	509	-0.321	0.266	-0.544	0.699	0.135
526	pi+	1	211	211	-0.302	0.029	621.863	621.864	0.140
527	(pi0)	11	111	211	0.130	-0.281	342.673	342.673	0.135
528	pi-	1	-211	212	0.045	0.270	860.394	860.394	0.140
529	(pi0)	11	111	212	0.319	0.192	159.292	159.292	0.135
530	gamma	1	22	213	0.313	-0.010	64.084	64.085	0.000
531	gamma	1	22	213	0.003	0.002	0.037	0.037	0.000
532	pi+	1	211	214	-0.162	-0.442	101.839	101.841	0.140
533	(pi0)	11	111	214	0.317	0.071	242.555	242.555	0.135
534	pi+	1	211	216	0.418	0.693	29.164	29.176	0.140
535	(pi0)	11	111	216	-0.111	-0.032	1.923	1.932	0.135
536	pi-	1	-211	217	-0.378	0.049	3.904	3.925	0.140
537	(pi0)	11	111	217	0.043	-0.461	7.273	7.289	0.135
538	(K0)	11	311	218	-0.199	-0.606	9.386	9.421	0.498
539	pi+	1	211	218	-0.308	-0.078	7.494	7.502	0.140
540	K_S0	4	310	219	0.309	0.435	11.877	11.900	0.498
541	gamma	1	22	220	0.219	0.087	1.090	1.115	0.000
542	gamma	1	22	220	0.292	0.023	0.878	0.926	0.000
543	gamma	1	22	221	0.153	-0.055	0.397	0.429	0.000
544	gamma	1	22	221	-0.476	-0.112	1.637	1.708	0.000
545	pi+	1	211	222	0.092	0.068	-0.042	0.185	0.140
546	pi-	1	-211	222	-0.071	0.035	0.130	0.207	0.140
547	(pi0)	11	111	222	0.283	-0.206	0.526	0.646	0.135
548	gamma	1	22	223	-0.227	-0.092	0.159	0.292	0.000
549	gamma	1	22	223	-0.167	-0.129	0.294	0.362	0.000
550	(K0)	11	311	224	0.243	-0.091	0.095	0.569	0.498
551	(pi0)	11	111	224	-0.084	0.127	0.789	0.815	0.135
552	gamma	1	22	228	0.137	-0.069	338.967	338.967	0.000
553	(pi0)	11	111	228	-0.599	-0.116	304.956	304.957	0.135
554	K-	1	-321	229	0.465	-0.130	232.050	232.051	0.494
555	pi+	1	211	229	0.531	0.236	365.020	365.021	0.140
556	(K0)	11	311	230	0.286	-0.029	19.088	19.097	0.498
557	(pi0)	11	111	230	0.149	0.409	27.192	27.196	0.135
558	pi+	1	211	231	-0.111	-0.704	8.926	8.956	0.140
559	pi-	1	-211	231	0.054	0.030	19.190	19.191	0.140
560	pi-	1	-211	233	-0.195	0.117	0.367	0.454	0.140
561	(pi0)	11	111	233	0.280	0.252	0.160	0.431	0.135
562	pi+	1	211	235	-0.085	-0.040	-0.130	0.213	0.140
563	pi-	1	-211	235	0.473	-0.052	0.453	0.672	0.140
564	pi+	1	211	237	0.098	0.557	-0.598	0.835	0.140

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565 (pi0)	11	111	237	-0.018	-0.203	-0.182	0.305	0.135
566 p+	1	2212	240	0.080	0.233	-514.182	514.183	0.938
567 (pi0)	11	111	240	0.164	-0.091	-345.135	345.135	0.135
568 pi-	1	-211	241	0.193	-0.073	-44.368	44.368	0.140
569 (pi0)	11	111	241	-0.203	-0.109	-279.193	279.193	0.135
570 gamma	1	22	242	-0.340	-0.040	-73.601	73.602	0.000
571 gamma	1	22	242	-0.098	0.013	-41.721	41.721	0.000
572 pi-	1	-211	244	0.069	-0.301	-113.325	113.326	0.140
573 (pi0)	11	111	244	0.195	0.078	-11.525	11.527	0.135
574 pi-	1	-211	245	-0.179	-0.013	-3.704	3.711	0.140
575 pi+	1	211	245	-0.304	-0.053	-4.287	4.300	0.140
576 (pi0)	11	111	245	-0.305	-0.240	-9.161	9.170	0.135
577 gamma	1	22	246	0.255	0.236	-13.435	13.439	0.000
578 gamma	1	22	246	0.381	-0.151	-6.137	6.150	0.000
579 (Kbar0)	11	-311	247	-0.108	-0.292	-4.741	4.777	0.498
580 (pi0)	11	111	247	-0.094	-0.035	-0.242	0.294	0.135
581 Lambdabar0	4	-3122	248	-1.033	0.156	-2.175	2.659	1.116
582 pi+	1	211	248	0.069	0.021	-0.146	0.214	0.140
583 pi-	1	-211	249	-0.103	-0.007	-0.127	0.215	0.140
584 (pi0)	11	111	249	0.502	-0.110	-3.059	3.104	0.135
585 pi+	1	211	251	0.039	0.541	-2.475	2.537	0.140
586 pi-	1	-211	251	0.047	0.049	-1.147	1.158	0.140
587 (pi0)	11	111	251	0.186	0.535	-6.051	6.079	0.135
588 gamma	1	22	252	-0.158	0.307	-2.380	2.405	0.000
589 gamma	1	22	252	-0.056	0.319	-9.799	9.804	0.000
590 K_L0	1	130	253	0.157	-0.043	-3.228	3.271	0.498
591 pi-	1	-211	255	-0.983	1.163	-14.619	14.699	0.140
592 pi+	1	211	255	0.095	0.200	-3.972	3.980	0.140
593 pi-	1	-211	256	0.357	0.024	-10.284	10.291	0.140
594 (pi0)	11	111	256	-0.098	0.271	-2.544	2.563	0.135
595 K_L0	1	130	257	-0.169	0.229	-5.040	5.073	0.498
596 (K0)	11	311	258	-0.322	0.142	-4.208	4.252	0.498
597 pi+	1	211	258	-0.706	0.649	-7.249	7.314	0.140
598 pi-	1	-211	259	-0.359	0.713	-5.255	5.317	0.140
599 (pi0)	11	111	259	-1.384	0.727	-13.316	13.408	0.135
600 gamma	1	22	260	-0.205	-0.134	-8.554	8.558	0.000
601 e+	1	-11	260	-0.375	-0.069	-11.520	11.526	0.001
602 e-	1	11	260	-0.037	-0.007	-1.116	1.116	0.001
603 pi-	1	-211	261	-0.454	0.608	-5.611	5.664	0.140
604 pi+	1	211	261	-0.272	-0.050	-2.365	2.385	0.140
605 pi-	1	-211	263	-0.619	0.030	-3.846	3.898	0.140
606 (pi0)	11	111	263	-0.543	0.069	-11.510	11.524	0.135
607 pi+	1	211	266	0.540	0.549	-4.351	4.421	0.140
608 (pi0)	11	111	266	-0.184	0.408	-2.823	2.862	0.135
609 pi-	1	-211	267	-0.637	0.750	-7.483	7.549	0.140
610 (pi0)	11	111	267	-0.403	-0.295	-3.493	3.531	0.135
611 nbar0	1	-2112	268	0.733	-0.587	-4.519	4.710	0.940
612 pi+	1	211	268	0.545	-0.139	-0.996	1.152	0.140
613 pi+	1	211	269	0.123	0.356	-0.284	0.492	0.140

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614	pi-	1	-211	269	-0.337	0.098	-0.906	0.982	0.140
615	n0	1	2112	270	-0.230	0.025	-2.716	2.883	0.940
616	pi-	1	-211	270	-0.320	0.071	-1.003	1.064	0.140
617	K-	1	-321	271	-0.619	-0.248	-0.953	1.264	0.494
618	pi+	1	211	271	0.008	-0.330	-0.146	0.387	0.140
619	K_L0	1	130	272	0.419	-0.902	2.469	2.708	0.498
620	(Dbar0)	11	-421	275	-0.753	-1.694	8.248	8.657	1.865
621	(pi0)	11	111	275	-0.021	-0.129	0.496	0.530	0.135
622	gamma	1	22	276	0.208	-0.016	0.803	0.830	0.000
623	gamma	1	22	276	-0.009	0.031	0.108	0.112	0.000
624	pi-	1	-211	277	-0.111	-0.251	1.154	1.195	0.140
625	pi+	1	211	277	-0.304	-0.246	1.779	1.827	0.140
626	(eta)	11	221	277	-0.182	-0.714	4.796	4.883	0.547
627	pi+	1	211	279	0.052	-0.063	-0.212	0.267	0.140
628	(pi0)	11	111	279	0.004	-0.357	1.161	1.222	0.135
629	gamma	1	22	280	0.102	-0.107	-0.030	0.151	0.000
630	gamma	1	22	280	-0.029	-0.108	0.019	0.114	0.000
631	pi-	1	-211	281	0.073	0.461	-0.554	0.737	0.140
632	(pi0)	11	111	281	-0.265	0.067	-0.048	0.308	0.135
633	pi+	1	211	284	1.183	1.334	-3.903	4.293	0.140
634	(pi0)	11	111	284	0.032	0.610	-0.629	0.888	0.135
635	(Kbar0)	11	-311	285	0.958	0.734	-3.237	3.490	0.498
636	pi-	1	-211	285	0.523	0.755	-1.452	1.723	0.140
637	pi-	1	-211	287	0.542	0.426	-1.047	1.262	0.140
638	(pi0)	11	111	287	0.063	0.060	-1.486	1.495	0.135
639	gamma	1	22	288	0.368	0.168	-0.645	0.761	0.000
640	gamma	1	22	288	0.912	0.198	-1.400	1.683	0.000
641	pi+	1	211	289	0.029	-0.150	-0.705	0.735	0.140
642	pi-	1	-211	289	0.211	-0.069	-1.025	1.058	0.140
643	(eta)	11	221	289	0.028	-0.271	-1.397	1.525	0.547
644	pi+	1	211	290	0.131	-0.145	-0.186	0.304	0.140
645	pi-	1	-211	290	0.233	0.158	-0.329	0.455	0.140
646	(pi0)	11	111	290	-0.113	0.173	-0.562	0.613	0.135
647	(Kbar0)	11	-311	291	0.107	0.161	-1.397	1.496	0.498
648	(pi0)	11	111	291	0.530	0.529	-2.972	3.068	0.135
649	(Kbar0)	11	-311	293	0.544	0.103	-0.959	1.214	0.498
650	pi-	1	-211	293	0.000	-0.306	-0.554	0.648	0.140
651	(Kbar0)	11	-311	295	0.407	-1.025	-0.520	1.317	0.498
652	pi-	1	-211	295	0.104	-1.219	-0.865	1.504	0.140
653	pi+	1	211	299	-1.009	0.986	-27.483	27.520	0.140
654	pi-	1	-211	299	-0.041	-0.075	-11.873	11.874	0.140
655	gamma	1	22	300	-0.189	0.487	-9.047	9.062	0.000
656	gamma	1	22	300	-0.185	0.365	-9.316	9.325	0.000
657	K+	1	321	301	-0.409	0.205	-21.952	21.962	0.494
658	pi-	1	-211	301	-0.037	0.162	-1.610	1.625	0.140
659	pi+	1	211	305	-0.034	0.139	-10.786	10.788	0.140
660	(pi0)	11	111	305	0.161	0.386	-6.738	6.752	0.135
661	pi-	1	-211	306	-0.169	-0.498	-0.306	0.624	0.140
662	(pi0)	11	111	306	-0.750	-0.027	-1.932	2.078	0.135

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663	K-	1	-321	308	-0.301	-0.207	-0.734	0.957	0.494
664	pi+	1	211	308	-0.917	-0.287	-1.129	1.489	0.140
665	pi+	1	211	310	-0.792	0.038	-0.259	0.846	0.140
666	(pi0)	11	111	310	-5.006	-2.168	-1.354	5.622	0.135
667	pbar-	1	-2212	311	-1.768	-0.880	0.293	2.206	0.938
668	pi-	1	-211	311	-0.058	0.020	0.055	0.162	0.140
669	pi+	1	211	312	-2.626	-1.150	-0.881	3.003	0.140
670	pi-	1	-211	312	-1.250	-0.298	-0.203	1.309	0.140
671	(pi0)	11	111	312	-1.979	-0.781	-0.302	2.153	0.135
672	gamma	1	22	313	-0.005	-0.018	-0.052	0.055	0.000
673	pi-	1	-211	313	-0.341	-0.098	-0.103	0.395	0.140
674	pi+	1	211	313	-1.036	0.023	-0.831	1.335	0.140
675	pi+	1	211	315	-0.108	-0.078	-0.100	0.217	0.140
676	pi-	1	-211	315	-0.582	0.135	0.340	0.701	0.140
677	(pi0)	11	111	315	-0.468	-0.163	0.206	0.553	0.135
678	p+	1	2212	317	-0.593	0.528	1.249	1.752	0.938
679	pi+	1	211	317	-0.195	-0.038	0.085	0.257	0.140
680	pbar-	1	-2212	318	-0.851	1.687	1.461	2.566	0.938
681	pi-	1	-211	318	-0.348	0.385	0.129	0.552	0.140
682	gamma	1	22	319	-0.543	-0.757	1.180	1.504	0.000
683	gamma	1	22	319	-0.002	-0.057	0.065	0.086	0.000
684	(pi0)	11	111	320	-0.037	0.598	1.008	1.181	0.135
685	(pi0)	11	111	320	-0.067	0.107	0.263	0.321	0.135
686	(eta)	11	221	320	-0.587	1.522	2.809	3.294	0.547
687	K_L0	1	130	322	-0.902	1.212	4.209	4.500	0.498
688	pi-	1	-211	327	-0.241	0.821	2.748	2.881	0.140
689	pi+	1	211	327	-2.003	2.299	8.241	8.789	0.140
690	pi-	1	-211	328	-3.117	4.318	20.895	21.564	0.140
691	(pi0)	11	111	328	-1.246	1.948	7.367	7.722	0.135
692	pi-	1	-211	330	-0.542	0.597	3.600	3.692	0.140
693	pi+	1	211	330	-0.083	0.113	0.541	0.576	0.140
694	(pi0)	11	111	330	-1.329	1.722	8.154	8.441	0.135
695	pi-	1	-211	331	-0.614	0.801	6.252	6.334	0.140
696	(pi0)	11	111	331	-0.805	-0.026	5.531	5.591	0.135
697	pi+	1	211	332	-3.391	2.731	20.591	21.047	0.140
698	(pi0)	11	111	332	-1.723	2.145	13.138	13.424	0.135
699	pi+	1	211	335	-1.401	1.633	11.153	11.360	0.140
700	(pi0)	11	111	335	-0.441	0.425	5.700	5.735	0.135
701	(K0)	11	311	336	-0.662	1.438	12.601	12.709	0.498
702	(pi0)	11	111	336	-0.668	0.429	6.122	6.175	0.135
703	pi-	1	-211	338	0.067	0.254	0.989	1.032	0.140
704	pi+	1	211	338	-0.059	0.869	4.803	4.883	0.140
705	(pi0)	11	111	338	0.132	0.044	1.391	1.405	0.135
706	pi-	1	-211	339	-0.716	0.346	4.938	5.004	0.140
707	pi+	1	211	339	0.093	-0.014	1.667	1.675	0.140
708	p+	1	2212	340	-0.001	0.593	15.161	15.202	0.938
709	pi+	1	211	340	-0.094	0.322	9.142	9.149	0.140
710	(pi0)	11	111	341	-0.187	0.212	2.897	2.914	0.135
711	(pi0)	11	111	341	-0.484	0.377	6.358	6.389	0.135

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712 (pi0)	11	111	341	-0.252	0.106	5.045	5.055	0.135
713 pbar-	1	-2212	342	0.487	1.823	27.410	27.491	0.938
714 pi-	1	-211	342	0.024	0.824	7.316	7.364	0.140
715 pi+	1	211	343	-0.312	0.190	10.582	10.589	0.140
716 (pi0)	11	111	343	0.360	0.112	25.394	25.397	0.135
717 pi-	1	-211	344	0.184	-0.035	44.101	44.102	0.140
718 (pi0)	11	111	344	-0.488	0.327	24.383	24.391	0.135
719 pi-	1	-211	346	-0.010	0.538	50.299	50.302	0.140
720 (pi0)	11	111	346	-0.940	2.539	358.798	358.808	0.135
721 (D0)	11	421	348	-0.400	0.121	-39.898	39.943	1.865
722 pi+	1	211	348	0.007	0.019	-2.582	2.586	0.140
723 gamma	1	22	349	-0.161	0.177	-3.479	3.487	0.000
724 gamma	1	22	349	-0.162	0.062	-4.015	4.019	0.000
725 gamma	1	22	352	-0.596	0.093	-24.561	24.568	0.000
726 gamma	1	22	352	-0.052	0.001	-4.407	4.407	0.000
727 pi-	1	-211	353	-0.721	0.087	-10.400	10.426	0.140
728 pi+	1	211	353	-0.205	-0.292	-20.522	20.526	0.140
729 K+	1	321	354	-0.980	-0.541	-15.624	15.671	0.494
730 pi-	1	-211	354	-0.670	-0.287	-14.100	14.119	0.140
731 (Kbar0)	11	-311	355	-0.885	-0.471	-27.890	27.913	0.498
732 pi-	1	-211	355	-1.116	-1.171	-43.538	43.569	0.140
733 p+	1	2212	356	-0.250	0.173	-11.406	11.448	0.938
734 pi+	1	211	356	-0.295	-0.085	-6.971	6.979	0.140
735 pi-	1	-211	357	-0.298	-0.652	-17.734	17.749	0.140
736 pi+	1	211	357	0.015	0.140	-3.815	3.820	0.140
737 pi+	1	211	360	-0.454	0.094	-1.025	1.133	0.140
738 pi-	1	-211	360	0.011	-0.077	-0.538	0.561	0.140
739 (pi0)	11	111	360	-0.135	0.323	-0.901	0.976	0.135
740 p+	1	2212	361	0.414	-0.113	-1.557	1.867	0.938
741 (pi0)	11	111	361	0.100	0.179	-0.543	0.596	0.135
742 gamma	1	22	362	-0.019	-0.017	0.021	0.033	0.000
743 gamma	1	22	362	-0.236	-0.109	-0.205	0.331	0.000
744 pi-	1	-211	364	0.307	0.325	-1.410	1.486	0.140
745 (pi0)	11	111	364	-0.177	-0.085	-0.196	0.309	0.135
746 pi-	1	-211	366	0.274	0.019	-0.010	0.308	0.140
747 (pi0)	11	111	366	0.042	0.205	-1.236	1.261	0.135
748 K+	1	321	367	1.399	1.106	-0.584	1.941	0.494
749 (pi0)	11	111	367	-0.029	0.032	-0.064	0.155	0.135
750 (D_s-)	11	-431	368	0.246	0.906	-2.798	3.548	1.968
751 gamma	1	22	368	0.051	0.221	-0.380	0.443	0.000
752 (Kbar0)	11	-311	370	-0.184	-0.590	-16.457	16.477	0.498
753 pi-	1	-211	370	-0.235	-0.363	-17.132	17.138	0.140
754 pi-	1	-211	371	-0.143	-0.274	-2.499	2.522	0.140
755 pi+	1	211	371	-0.092	-0.127	-19.622	19.624	0.140
756 pi-	1	-211	373	0.017	-0.010	-0.586	0.603	0.140
757 (pi0)	11	111	373	0.502	-0.513	-20.242	20.255	0.135
758 (pi0)	11	111	375	0.001	0.094	-0.534	0.559	0.135
759 (pi0)	11	111	375	0.123	-0.051	-0.341	0.390	0.135
760 (pi0)	11	111	375	0.152	0.086	-1.145	1.167	0.135

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761	pi+	1	211	376	-0.051	-0.702	-3.577	3.648	0.140
762	pi-	1	-211	376	-0.072	0.312	-1.844	1.877	0.140
763	(K0)	11	311	377	-0.167	-0.274	-1.105	1.254	0.498
764	(pi0)	11	111	377	0.285	0.038	-1.016	1.065	0.135
765	(Kbar0)	11	-311	378	1.070	-0.606	-2.382	2.726	0.498
766	pi-	1	-211	378	0.826	-0.047	-2.584	2.717	0.140
767	pi-	1	-211	381	-2.486	1.724	-63.473	63.545	0.140
768	(pi0)	11	111	381	-2.600	1.769	-81.598	81.659	0.135
769	pi-	1	-211	382	-1.396	0.628	-55.916	55.937	0.140
770	pi+	1	211	382	-0.234	0.175	-4.976	4.987	0.140
771	pi-	1	-211	383	-0.412	0.170	-8.997	9.009	0.140
772	pi+	1	211	383	-0.150	0.266	-9.388	9.394	0.140
773	(pi0)	11	111	383	-1.504	1.041	-48.365	48.400	0.135
774	pi-	1	-211	385	-0.396	0.025	-19.046	19.051	0.140
775	(pi0)	11	111	385	0.058	0.159	-19.857	19.858	0.135
776	pi-	1	-211	386	-0.005	0.055	-19.464	19.464	0.140
777	pi+	1	211	386	-0.372	0.028	-12.988	12.994	0.140
778	(pi0)	11	111	386	-0.221	0.281	-18.961	18.965	0.135
779	K-	1	-321	387	-0.060	-0.004	-90.285	90.286	0.494
780	pi+	1	211	387	0.060	-0.496	-59.407	59.409	0.140
781	gamma	1	22	388	0.342	-0.694	-151.499	151.501	0.000
782	gamma	1	22	388	0.082	0.106	-27.958	27.958	0.000
783	K_L0	1	130	389	-0.104	-0.368	-116.151	116.153	0.498
784	(D0)	11	421	391	-0.081	0.358	14.775	14.897	1.865
785	(pi0)	11	111	391	-0.015	-0.009	1.295	1.302	0.135
786	gamma	1	22	392	-0.047	0.106	0.325	0.345	0.000
787	gamma	1	22	392	-0.115	0.691	2.987	3.069	0.000
788	K+	1	321	393	0.231	0.031	1.872	1.950	0.494
789	(pi0)	11	111	393	0.325	-0.243	3.546	3.572	0.135
790	K-	1	-321	394	0.369	-0.414	4.254	4.319	0.494
791	(pi0)	11	111	394	0.086	0.116	3.963	3.968	0.135
792	pi+	1	211	395	0.282	-0.376	20.556	20.562	0.140
793	(pi0)	11	111	395	-0.133	0.075	1.999	2.009	0.135
794	gamma	1	22	396	-0.054	-0.106	0.930	0.938	0.000
795	gamma	1	22	396	-0.293	-0.583	8.275	8.301	0.000
796	K+	1	321	397	-0.077	-0.265	6.227	6.253	0.494
797	pi-	1	-211	397	-0.138	-0.417	13.134	13.142	0.140
798	K_S0	4	310	398	0.157	-0.962	16.500	16.536	0.498
799	pi-	1	-211	399	1.242	-0.647	21.022	21.069	0.140
800	(pi0)	11	111	399	0.130	-0.117	6.026	6.030	0.135
801	pi+	1	211	400	-0.190	-0.203	1.564	1.595	0.140
802	(pi0)	11	111	400	-0.106	-0.730	14.863	14.882	0.135
803	n0	1	2112	401	-0.082	-0.814	13.826	13.882	0.940
804	pi-	1	-211	401	-0.225	-0.048	5.267	5.274	0.140
805	nbar0	1	-2112	402	0.648	-0.315	4.682	4.829	0.940
806	pi+	1	211	402	0.247	-0.144	2.943	2.960	0.140
807	pi-	1	-211	403	0.336	-0.130	1.176	1.238	0.140
808	pi+	1	211	403	0.208	0.149	0.256	0.388	0.140
809	(pi0)	11	111	403	0.179	-0.154	0.782	0.828	0.135

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810	K+	1	321	404	-0.104	-0.118	1.677	1.755	0.494
811	pi-	1	-211	404	-0.289	-0.031	0.677	0.750	0.140
812	nbar0	1	-2112	406	0.890	0.763	-0.670	1.645	0.940
813	pi+	1	211	406	0.231	-0.095	-0.107	0.306	0.140
814	K_L0	1	130	407	1.171	0.348	-1.724	2.170	0.498
815	(Kbar0)	11	-311	408	1.154	0.133	-1.063	1.651	0.498
816	pi-	1	-211	408	0.765	0.556	-1.210	1.542	0.140
817	pi-	1	-211	409	1.489	0.066	-2.821	3.194	0.140
818	pi+	1	211	409	3.524	0.479	-6.629	7.524	0.140
819	p+	1	2212	411	2.794	0.936	-6.159	6.892	0.938
820	pi-	1	-211	411	1.109	0.432	-2.729	2.981	0.140
821	K-	1	-321	412	5.222	1.563	-10.421	11.771	0.494
822	pi+	1	211	412	1.159	0.301	-1.728	2.107	0.140
823	Lambdabar0	4	-3122	413	5.156	1.590	-9.887	11.318	1.116
824	gamma	1	22	413	0.136	0.060	-0.414	0.439	0.000
825	gamma	1	22	415	0.289	0.063	-1.349	1.381	0.000
826	gamma	1	22	415	0.181	-0.046	-0.595	0.624	0.000
827	pi+	1	211	416	2.903	1.474	-6.255	7.053	0.140
828	(pi0)	11	111	416	0.383	-0.078	-0.787	0.889	0.135
829	gamma	1	22	417	0.369	0.180	-1.507	1.562	0.000
830	(rho0)	11	113	417	1.774	0.398	-3.848	4.313	0.702
831	pi+	1	211	419	0.637	-0.044	-1.564	1.695	0.140
832	pi-	1	-211	419	0.278	-0.180	-1.781	1.817	0.140
833	(pi0)	11	111	419	0.284	0.164	-0.850	0.921	0.135
834	pi+	1	211	420	0.955	-1.031	-3.598	3.865	0.140
835	(pi0)	11	111	420	1.508	-0.530	-4.171	4.469	0.135
836	pi-	1	-211	421	2.628	-1.450	-12.670	13.021	0.140
837	(pi0)	11	111	421	2.038	-1.749	-13.596	13.859	0.135
838	pi+	1	211	422	2.276	-1.473	-8.593	9.012	0.140
839	pi-	1	-211	422	3.816	-3.040	-18.524	19.156	0.140
840	K+	1	321	423	3.317	-2.639	-14.361	14.981	0.494
841	(pi0)	11	111	423	0.617	-0.197	-2.675	2.756	0.135
842	K-	1	-321	424	1.965	-1.472	-9.162	9.498	0.494
843	K+	1	321	424	2.522	-1.789	-12.393	12.782	0.494
844	pi+	1	211	426	-0.099	-0.222	-0.629	0.689	0.140
845	(pi0)	11	111	426	0.608	-2.062	-6.193	6.557	0.135
846	pi-	1	-211	428	-0.126	-0.041	0.598	0.628	0.140
847	(pi0)	11	111	428	-1.412	-1.273	7.906	8.133	0.135
848	pi+	1	211	431	1.057	-0.894	36.961	36.987	0.140
849	(pi0)	11	111	431	-0.064	-0.028	2.912	2.916	0.135
850	pbar-	1	-2212	432	0.598	0.307	29.242	29.264	0.938
851	pi-	1	-211	432	0.502	0.319	20.283	20.292	0.140
852	p+	1	2212	433	0.590	-0.465	47.606	47.621	0.938
853	pi+	1	211	433	0.293	-0.104	34.426	34.428	0.140
854	pi-	1	-211	435	-0.096	-0.034	38.143	38.144	0.140
855	pi+	1	211	435	-0.137	0.470	82.635	82.637	0.140
856	(pi0)	11	111	435	-0.444	0.455	76.716	76.718	0.135
857	pi+	1	211	436	-0.130	0.178	10.554	10.557	0.140
858	pi-	1	-211	436	-0.148	0.441	57.937	57.939	0.140

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859 (pi0)	11	111	436	-0.261	0.709	44.542	44.549	0.135
860 (Kbar0)	11	-311	437	0.287	0.489	135.208	135.210	0.498
861 (pi0)	11	111	437	0.584	0.826	105.548	105.553	0.135
862 (K0)	11	311	438	0.003	0.125	50.435	50.438	0.498
863 (pi0)	11	111	438	0.041	-0.297	14.720	14.724	0.135
864 pi+	1	211	439	0.479	-0.507	41.805	41.811	0.140
865 (pi0)	11	111	439	-0.178	0.083	12.433	12.435	0.135
866 pi-	1	-211	440	0.532	0.209	27.719	27.725	0.140
867 pi+	1	211	440	-0.085	-0.475	18.471	18.478	0.140
868 (K0)	11	311	442	0.140	-0.284	12.053	12.067	0.498
869 pi+	1	211	442	0.418	-0.771	25.532	25.548	0.140
870 pi+	1	211	443	-0.306	0.086	8.276	8.283	0.140
871 pi-	1	-211	443	-0.427	-0.028	4.212	4.236	0.140
872 (pi0)	11	111	443	-0.052	0.156	1.619	1.633	0.135
873 gamma	1	22	444	0.289	-0.262	8.127	8.136	0.000
874 gamma	1	22	444	0.232	-0.140	8.131	8.136	0.000
875 pi+	1	211	445	0.206	-0.452	7.913	7.930	0.140
876 pi-	1	-211	445	0.336	-0.725	10.778	10.808	0.140
877 (pi0)	11	111	445	0.174	-0.290	7.915	7.924	0.135
878 pi-	1	-211	446	0.377	0.243	6.271	6.289	0.140
879 (pi0)	11	111	446	0.218	0.412	2.791	2.833	0.135
880 pi-	1	-211	447	0.213	0.455	1.917	1.986	0.140
881 pi+	1	211	447	0.019	-0.243	0.692	0.747	0.140
882 pi+	1	211	448	0.026	0.183	4.603	4.609	0.140
883 (pi0)	11	111	448	-0.650	-0.125	5.415	5.457	0.135
884 pi-	1	-211	449	-0.108	0.483	3.013	3.056	0.140
885 (pi0)	11	111	449	0.391	-0.084	2.049	2.092	0.135
886 nbar0	1	-2112	450	-0.124	0.122	3.564	3.690	0.940
887 pi-	1	-211	450	-0.364	0.355	2.161	2.225	0.140
888 n0	1	2112	452	-0.007	0.358	10.888	10.934	0.940
889 (pi0)	11	111	452	-0.057	0.111	3.724	3.728	0.135
890 K_S0	4	310	453	-1.640	0.210	32.137	32.183	0.498
891 K+	1	321	454	0.306	-0.067	33.868	33.873	0.494
892 pi-	1	-211	454	0.091	0.381	35.991	35.993	0.140
893 pi+	1	211	457	-0.146	0.000	0.098	0.225	0.140
894 (pi0)	11	111	457	0.423	-0.082	0.225	0.505	0.135
895 pi+	1	211	458	-0.206	0.071	0.188	0.320	0.140
896 pi-	1	-211	458	0.007	-0.368	-0.453	0.600	0.140
897 pbar-	1	-2212	461	0.175	-0.814	0.184	1.268	0.938
898 (pi0)	11	111	461	-0.073	-0.003	-0.108	0.187	0.135
899 p+	1	2212	463	1.163	-0.025	-1.449	2.082	0.938
900 pi+	1	211	463	0.182	-0.275	-0.509	0.622	0.140
901 K-	1	-321	464	0.470	-0.796	-0.460	1.144	0.494
902 (pi0)	11	111	464	1.080	-1.011	-1.633	2.208	0.135
903 K_L0	1	130	465	0.346	-0.349	-9.622	9.647	0.498
904 pi+	1	211	466	-0.242	0.372	-1.964	2.018	0.140
905 (pi0)	11	111	466	0.078	0.067	-4.849	4.852	0.135
906 pi+	1	211	467	-0.145	0.058	-0.808	0.835	0.140
907 pi-	1	-211	467	0.045	-0.177	-3.239	3.248	0.140

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908	(pi0)	11	111	467	0.141	-0.030	-0.560	0.593	0.135
909	gamma	1	22	468	0.240	-0.157	-2.864	2.878	0.000
910	gamma	1	22	468	0.072	0.020	-1.135	1.137	0.000
911	pi+	1	211	470	-0.466	-0.295	-18.263	18.271	0.140
912	(pi0)	11	111	470	0.062	0.282	-16.785	16.788	0.135
913	pi-	1	-211	471	-0.034	0.020	-1.821	1.826	0.140
914	pi+	1	211	471	-0.001	0.338	-17.128	17.132	0.140
915	(pi0)	11	111	471	0.101	0.381	-6.981	6.993	0.135
916	gamma	1	22	472	0.805	0.482	-14.776	14.806	0.000
917	gamma	1	22	472	0.027	-0.117	-1.476	1.481	0.000
918	(Kbar0)	11	-311	473	-0.867	-0.039	-15.163	15.196	0.498
919	pi-	1	-211	473	-0.247	0.079	-1.523	1.551	0.140
920	pi-	1	-211	477	0.460	0.247	-0.965	1.106	0.140
921	(pi0)	11	111	477	-0.127	0.047	0.015	0.192	0.135
922	gamma	1	22	478	-0.178	-0.125	-0.207	0.300	0.000
923	gamma	1	22	478	-0.011	0.025	-0.002	0.027	0.000
924	Lambdabar0	4	-3122	479	-1.039	1.082	-1.723	2.542	1.116
925	gamma	1	22	479	-0.092	0.043	-0.018	0.103	0.000
926	(K0)	11	311	485	-1.667	-1.133	-2.717	3.419	0.498
927	(pi0)	11	111	485	-0.067	0.023	-0.377	0.407	0.135
928	Lambda0	4	3122	486	0.401	0.309	-0.623	1.375	1.116
929	(pi0)	11	111	486	0.205	0.083	0.115	0.283	0.135
930	pbar-	1	-2212	488	-0.481	-0.527	-1.999	2.320	0.938
931	pi-	1	-211	488	-0.299	-0.215	-0.186	0.436	0.140
932	pi+	1	211	489	0.555	0.321	0.712	0.968	0.140
933	(pi0)	11	111	489	-0.166	0.249	0.219	0.395	0.135
934	gamma	1	22	491	0.386	0.024	0.303	0.491	0.000
935	gamma	1	22	491	1.139	-0.157	0.968	1.503	0.000
936	K+	1	321	492	0.483	0.897	1.623	1.979	0.494
937	(pi0)	11	111	492	0.458	0.290	0.429	0.704	0.135
938	(K0)	11	311	496	-1.122	-0.086	4.259	4.433	0.498
939	pi+	1	211	496	-0.113	-0.192	0.567	0.625	0.140
940	K-	1	-321	497	-0.352	0.241	1.866	1.977	0.494
941	K+	1	321	497	-0.278	0.129	2.400	2.470	0.494
942	K-	1	-321	498	-0.564	0.658	6.087	6.168	0.494
943	(pi0)	11	111	498	0.145	0.282	2.853	2.874	0.135
944	K+	1	321	499	0.118	-0.068	1.916	1.983	0.494
945	(pi0)	11	111	499	-0.168	-0.568	4.851	4.889	0.135
946	pi+	1	211	501	0.282	0.024	1.135	1.178	0.140
947	pi-	1	-211	501	-0.241	0.101	2.582	2.599	0.140
948	Lambdabar0	4	-3122	502	1.630	-0.109	17.242	17.355	1.116
949	gamma	1	22	502	0.075	-0.059	1.439	1.442	0.000
950	pi+	1	211	503	0.660	-0.591	5.535	5.607	0.140
951	pi-	1	-211	503	0.372	-0.153	0.787	0.895	0.140
952	pi+	1	211	504	0.288	-0.874	4.357	4.455	0.140
953	(pi0)	11	111	504	0.385	-0.809	1.669	1.899	0.135
954	(K0)	11	311	506	-0.522	-0.403	2.330	2.472	0.498
955	pi+	1	211	506	0.107	0.083	0.322	0.376	0.140
956	(Kbar0)	11	-311	507	0.934	-2.496	5.878	6.473	0.498

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957	pi-	1	-211	507	0.345	-0.529	2.204	2.297	0.140
958	pi+	1	211	511	0.716	-0.125	-3.930	3.999	0.140
959	pi-	1	-211	511	0.038	-0.321	-0.781	0.857	0.140
960	(K0)	11	311	513	0.133	0.145	-3.797	3.835	0.498
961	pi+	1	211	513	-0.331	-0.085	-1.846	1.883	0.140
962	nbar0	1	-2112	514	-0.374	-0.072	-57.715	57.724	0.940
963	pi-	1	-211	514	0.157	0.129	-10.971	10.974	0.140
964	pi-	1	-211	515	-0.928	-0.086	-34.291	34.304	0.140
965	pi+	1	211	515	0.052	0.100	-20.360	20.361	0.140
966	(pi0)	11	111	518	0.988	-0.030	-5.883	5.967	0.135
967	gamma	1	22	518	0.296	-0.220	-9.094	9.102	0.000
968	pi-	1	-211	519	-0.620	-0.723	-12.829	12.865	0.140
969	(pi0)	11	111	519	-0.018	-0.102	-1.360	1.371	0.135
970	K_L0	1	130	524	-0.063	0.314	-2.142	2.222	0.498
971	gamma	1	22	525	-0.301	0.184	-0.456	0.577	0.000
972	gamma	1	22	525	-0.020	0.082	-0.088	0.122	0.000
973	gamma	1	22	527	0.067	-0.036	50.410	50.410	0.000
974	gamma	1	22	527	0.064	-0.245	292.263	292.263	0.000
975	gamma	1	22	529	-0.005	0.019	3.331	3.331	0.000
976	gamma	1	22	529	0.324	0.173	155.961	155.962	0.000
977	gamma	1	22	533	0.193	0.082	185.921	185.921	0.000
978	gamma	1	22	533	0.124	-0.012	56.634	56.634	0.000
979	gamma	1	22	535	-0.132	-0.038	1.213	1.221	0.000
980	gamma	1	22	535	0.022	0.007	0.710	0.710	0.000
981	gamma	1	22	537	0.038	-0.367	4.787	4.801	0.000
982	gamma	1	22	537	0.005	-0.094	2.487	2.488	0.000
983	K_S0	4	310	538	-0.199	-0.606	9.386	9.421	0.498
984	gamma	1	22	547	0.099	-0.007	0.191	0.215	0.000
985	gamma	1	22	547	0.184	-0.199	0.334	0.430	0.000
986	K_S0	4	310	550	0.243	-0.091	0.095	0.569	0.498
987	gamma	1	22	551	-0.032	-0.006	0.036	0.048	0.000
988	gamma	1	22	551	-0.052	0.133	0.754	0.767	0.000
989	gamma	1	22	553	-0.463	-0.096	204.490	204.491	0.000
990	gamma	1	22	553	-0.136	-0.021	100.466	100.466	0.000
991	K_L0	1	130	556	0.286	-0.029	19.088	19.097	0.498
992	gamma	1	22	557	0.034	0.278	17.787	17.789	0.000
993	gamma	1	22	557	0.115	0.130	9.405	9.407	0.000
994	gamma	1	22	561	0.010	0.028	0.059	0.066	0.000
995	gamma	1	22	561	0.269	0.224	0.101	0.365	0.000
996	gamma	1	22	565	-0.037	-0.171	-0.073	0.190	0.000
997	gamma	1	22	565	0.020	-0.032	-0.109	0.115	0.000
998	gamma	1	22	567	0.184	-0.066	-268.924	268.924	0.000
999	gamma	1	22	567	-0.020	-0.025	-76.211	76.211	0.000
1000	gamma	1	22	569	-0.026	0.029	-25.959	25.959	0.000
1001	gamma	1	22	569	-0.178	-0.137	-253.233	253.233	0.000
1002	gamma	1	22	573	0.086	0.089	-8.099	8.100	0.000
1003	gamma	1	22	573	0.110	-0.010	-3.426	3.428	0.000
1004	gamma	1	22	576	-0.115	-0.025	-3.465	3.467	0.000
1005	gamma	1	22	576	-0.191	-0.215	-5.695	5.703	0.000

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1006	K_L0	1	130	579	-0.108	-0.292	-4.741	4.777	0.498
1007	gamma	1	22	580	0.002	0.015	-0.155	0.156	0.000
1008	gamma	1	22	580	-0.096	-0.051	-0.087	0.139	0.000
1009	gamma	1	22	584	0.054	0.022	-0.214	0.222	0.000
1010	gamma	1	22	584	0.448	-0.131	-2.844	2.882	0.000
1011	gamma	1	22	587	0.108	0.144	-1.593	1.603	0.000
1012	gamma	1	22	587	0.077	0.390	-4.459	4.477	0.000
1013	gamma	1	22	594	-0.044	0.016	-0.197	0.203	0.000
1014	gamma	1	22	594	-0.055	0.255	-2.346	2.361	0.000
1015	K_S0	4	310	596	-0.322	0.142	-4.208	4.252	0.498
1016	gamma	1	22	599	-0.044	0.024	-0.681	0.683	0.000
1017	gamma	1	22	599	-1.340	0.703	-12.635	12.725	0.000
1018	gamma	1	22	606	-0.450	0.003	-9.126	9.137	0.000
1019	gamma	1	22	606	-0.093	0.065	-2.384	2.387	0.000
1020	gamma	1	22	608	-0.099	0.352	-2.236	2.266	0.000
1021	gamma	1	22	608	-0.085	0.057	-0.587	0.596	0.000
1022	gamma	1	22	610	-0.178	-0.209	-1.709	1.731	0.000
1023	gamma	1	22	610	-0.225	-0.086	-1.785	1.801	0.000
1024	K+	1	321	620	0.412	-0.439	3.501	3.587	0.494
1025	K-	1	-321	620	-1.165	-1.255	4.747	5.071	0.494
1026	gamma	1	22	621	-0.070	-0.029	0.230	0.242	0.000
1027	gamma	1	22	621	0.049	-0.100	0.266	0.288	0.000
1028	pi+	1	211	626	-0.223	-0.208	1.677	1.711	0.140
1029	pi-	1	-211	626	0.056	-0.245	1.509	1.536	0.140
1030	(pi0)	11	111	626	-0.015	-0.262	1.610	1.637	0.135
1031	gamma	1	22	628	0.067	-0.193	0.676	0.706	0.000
1032	gamma	1	22	628	-0.063	-0.164	0.485	0.516	0.000
1033	gamma	1	22	632	-0.209	0.048	-0.094	0.234	0.000
1034	gamma	1	22	632	-0.056	0.019	0.045	0.075	0.000
1035	gamma	1	22	634	-0.021	0.526	-0.537	0.752	0.000
1036	gamma	1	22	634	0.052	0.084	-0.093	0.136	0.000
1037	K_S0	4	310	635	0.958	0.734	-3.237	3.490	0.498
1038	gamma	1	22	638	0.002	-0.006	-1.023	1.023	0.000
1039	gamma	1	22	638	0.060	0.067	-0.463	0.472	0.000
1040	gamma	1	22	643	-0.126	0.125	-0.295	0.344	0.000
1041	gamma	1	22	643	0.154	-0.396	-1.102	1.182	0.000
1042	gamma	1	22	646	-0.081	0.079	-0.452	0.466	0.000
1043	gamma	1	22	646	-0.032	0.093	-0.110	0.148	0.000
1044	K_S0	4	310	647	0.107	0.161	-1.397	1.496	0.498
1045	gamma	1	22	648	0.382	0.386	-1.889	1.966	0.000
1046	gamma	1	22	648	0.148	0.143	-1.082	1.102	0.000
1047	K_S0	4	310	649	0.544	0.103	-0.959	1.214	0.498
1048	K_L0	1	130	651	0.407	-1.025	-0.520	1.317	0.498
1049	gamma	1	22	660	0.161	0.336	-5.111	5.124	0.000
1050	gamma	1	22	660	0.000	0.051	-1.627	1.628	0.000
1051	gamma	1	22	662	-0.281	-0.024	-0.558	0.625	0.000
1052	gamma	1	22	662	-0.469	-0.002	-1.374	1.452	0.000
1053	gamma	1	22	666	-4.944	-2.156	-1.341	5.558	0.000
1054	gamma	1	22	666	-0.062	-0.012	-0.013	0.064	0.000

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1055	gamma	1	22	671	-1.378	-0.594	-0.172	1.511	0.000
1056	gamma	1	22	671	-0.601	-0.187	-0.130	0.643	0.000
1057	gamma	1	22	677	-0.150	-0.116	0.102	0.215	0.000
1058	gamma	1	22	677	-0.318	-0.047	0.104	0.338	0.000
1059	gamma	1	22	684	-0.067	0.505	0.772	0.926	0.000
1060	gamma	1	22	684	0.030	0.093	0.236	0.255	0.000
1061	gamma	1	22	685	-0.019	0.022	0.206	0.208	0.000
1062	gamma	1	22	685	-0.048	0.086	0.057	0.113	0.000
1063	gamma	1	22	686	-0.581	0.864	1.461	1.794	0.000
1064	gamma	1	22	686	-0.006	0.658	1.348	1.500	0.000
1065	gamma	1	22	691	-0.024	0.042	0.232	0.237	0.000
1066	gamma	1	22	691	-1.222	1.906	7.134	7.485	0.000
1067	gamma	1	22	694	-0.726	0.833	4.070	4.218	0.000
1068	gamma	1	22	694	-0.603	0.889	4.084	4.223	0.000
1069	gamma	1	22	696	-0.719	-0.039	5.153	5.203	0.000
1070	gamma	1	22	696	-0.086	0.013	0.377	0.387	0.000
1071	gamma	1	22	698	-0.313	0.364	2.066	2.122	0.000
1072	gamma	1	22	698	-1.409	1.781	11.072	11.302	0.000
1073	gamma	1	22	700	-0.221	0.301	3.551	3.571	0.000
1074	gamma	1	22	700	-0.221	0.124	2.149	2.164	0.000
1075	K_L0	1	130	701	-0.662	1.438	12.601	12.709	0.498
1076	gamma	1	22	702	-0.235	0.200	2.768	2.785	0.000
1077	gamma	1	22	702	-0.433	0.229	3.354	3.390	0.000
1078	gamma	1	22	705	0.113	0.050	1.370	1.376	0.000
1079	gamma	1	22	705	0.019	-0.006	0.021	0.029	0.000
1080	gamma	1	22	710	-0.131	0.048	1.315	1.323	0.000
1081	gamma	1	22	710	-0.056	0.164	1.581	1.591	0.000
1082	gamma	1	22	711	-0.363	0.345	5.298	5.321	0.000
1083	gamma	1	22	711	-0.121	0.033	1.060	1.068	0.000
1084	gamma	1	22	712	-0.061	0.079	1.106	1.110	0.000
1085	gamma	1	22	712	-0.191	0.027	3.939	3.944	0.000
1086	gamma	1	22	716	0.307	0.066	22.942	22.944	0.000
1087	gamma	1	22	716	0.053	0.046	2.452	2.453	0.000
1088	gamma	1	22	718	-0.275	0.179	10.826	10.831	0.000
1089	gamma	1	22	718	-0.213	0.149	13.557	13.560	0.000
1090	gamma	1	22	720	-0.380	0.847	124.719	124.722	0.000
1091	gamma	1	22	720	-0.559	1.692	234.079	234.086	0.000
1092	(Kbar0)	11	-311	721	0.126	0.117	-9.196	9.211	0.498
1093	pi+	1	211	721	0.082	0.146	-5.168	5.172	0.140
1094	pi-	1	-211	721	-0.179	0.252	-8.932	8.939	0.140
1095	(pi0)	11	111	721	-0.295	-0.267	-14.698	14.704	0.135
1096	(pi0)	11	111	721	-0.134	-0.126	-1.903	1.917	0.135
1097	K_L0	1	130	731	-0.885	-0.471	-27.890	27.913	0.498
1098	gamma	1	22	739	-0.021	0.222	-0.548	0.591	0.000
1099	gamma	1	22	739	-0.114	0.101	-0.354	0.385	0.000
1100	gamma	1	22	741	0.057	0.191	-0.453	0.495	0.000
1101	gamma	1	22	741	0.044	-0.013	-0.090	0.101	0.000
1102	gamma	1	22	745	-0.165	-0.027	-0.183	0.248	0.000
1103	gamma	1	22	745	-0.013	-0.058	-0.013	0.061	0.000

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1104	gamma	1	22	747	0.059	0.061	-0.245	0.259	0.000
1105	gamma	1	22	747	-0.017	0.143	-0.991	1.002	0.000
1106	gamma	1	22	749	0.016	-0.006	0.036	0.040	0.000
1107	gamma	1	22	749	-0.045	0.038	-0.100	0.116	0.000
1108	(rho0)	11	113	750	0.134	0.395	-0.996	1.338	0.791
1109	pi-	1	-211	750	0.028	0.087	-0.289	0.333	0.140
1110	(phi)	11	333	750	0.084	0.425	-1.514	1.876	1.021
1111	K_S0	4	310	752	-0.184	-0.590	-16.457	16.477	0.498
1112	gamma	1	22	757	0.389	-0.404	-17.176	17.185	0.000
1113	gamma	1	22	757	0.113	-0.108	-3.066	3.070	0.000
1114	gamma	1	22	758	-0.043	-0.016	-0.140	0.147	0.000
1115	gamma	1	22	758	0.044	0.110	-0.395	0.412	0.000
1116	gamma	1	22	759	0.043	0.043	-0.070	0.093	0.000
1117	gamma	1	22	759	0.080	-0.093	-0.270	0.297	0.000
1118	gamma	1	22	760	0.123	0.008	-0.871	0.880	0.000
1119	gamma	1	22	760	0.030	0.078	-0.274	0.287	0.000
1120	K_S0	4	310	763	-0.167	-0.274	-1.105	1.254	0.498
1121	gamma	1	22	764	0.040	-0.004	-0.373	0.375	0.000
1122	gamma	1	22	764	0.245	0.042	-0.644	0.690	0.000
1123	K_L0	1	130	765	1.070	-0.606	-2.382	2.726	0.498
1124	gamma	1	22	768	-1.628	1.155	-50.417	50.457	0.000
1125	gamma	1	22	768	-0.972	0.614	-31.181	31.202	0.000
1126	gamma	1	22	773	-1.240	0.902	-41.367	41.395	0.000
1127	gamma	1	22	773	-0.264	0.139	-6.998	7.004	0.000
1128	gamma	1	22	775	0.018	0.026	-0.737	0.738	0.000
1129	gamma	1	22	775	0.040	0.133	-19.120	19.120	0.000
1130	gamma	1	22	778	-0.036	0.134	-5.336	5.338	0.000
1131	gamma	1	22	778	-0.185	0.147	-13.625	13.627	0.000
1132	(K*-)	11	-323	784	0.390	0.073	3.907	3.993	0.723
1133	(rho+)	11	213	784	-0.470	0.285	10.869	10.904	0.689
1134	gamma	1	22	785	-0.040	0.000	1.244	1.245	0.000
1135	gamma	1	22	785	0.025	-0.009	0.051	0.057	0.000
1136	gamma	1	22	789	0.178	-0.205	2.021	2.039	0.000
1137	gamma	1	22	789	0.147	-0.038	1.525	1.533	0.000
1138	gamma	1	22	791	-0.009	0.050	0.418	0.421	0.000
1139	gamma	1	22	791	0.095	0.066	3.545	3.547	0.000
1140	gamma	1	22	793	-0.094	0.080	0.786	0.796	0.000
1141	gamma	1	22	793	-0.038	-0.006	1.213	1.213	0.000
1142	gamma	1	22	800	0.070	-0.099	5.295	5.296	0.000
1143	gamma	1	22	800	0.060	-0.018	0.732	0.734	0.000
1144	gamma	1	22	802	-0.114	-0.674	14.220	14.236	0.000
1145	gamma	1	22	802	0.008	-0.056	0.643	0.645	0.000
1146	gamma	1	22	809	0.156	-0.152	0.503	0.548	0.000
1147	gamma	1	22	809	0.023	-0.002	0.279	0.280	0.000
1148	K_L0	1	130	815	1.154	0.133	-1.063	1.651	0.498
1149	gamma	1	22	828	0.120	-0.068	-0.175	0.223	0.000
1150	gamma	1	22	828	0.263	-0.010	-0.612	0.666	0.000
1151	pi+	1	211	830	1.758	0.347	-3.493	3.928	0.140
1152	pi-	1	-211	830	0.016	0.051	-0.355	0.385	0.140

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1153	gamma	1	22	833	0.107	0.092	-0.529	0.548	0.000
1154	gamma	1	22	833	0.177	0.072	-0.321	0.373	0.000
1155	gamma	1	22	835	0.462	-0.218	-1.234	1.336	0.000
1156	gamma	1	22	835	1.045	-0.312	-2.937	3.133	0.000
1157	gamma	1	22	837	0.967	-0.814	-6.740	6.858	0.000
1158	gamma	1	22	837	1.071	-0.935	-6.855	7.001	0.000
1159	gamma	1	22	841	0.336	-0.170	-1.652	1.695	0.000
1160	gamma	1	22	841	0.281	-0.027	-1.023	1.061	0.000
1161	gamma	1	22	845	0.195	-0.600	-2.000	2.098	0.000
1162	gamma	1	22	845	0.413	-1.462	-4.192	4.459	0.000
1163	gamma	1	22	847	-1.123	-0.961	5.961	6.142	0.000
1164	gamma	1	22	847	-0.288	-0.312	1.945	1.991	0.000
1165	gamma	1	22	849	-0.042	-0.068	2.538	2.539	0.000
1166	gamma	1	22	849	-0.022	0.039	0.374	0.377	0.000
1167	gamma	1	22	856	-0.304	0.247	40.951	40.953	0.000
1168	gamma	1	22	856	-0.140	0.208	35.764	35.765	0.000
1169	gamma	1	22	859	-0.275	0.665	42.508	42.514	0.000
1170	gamma	1	22	859	0.014	0.044	2.034	2.035	0.000
1171	K_S0	4	310	860	0.287	0.489	135.208	135.210	0.498
1172	gamma	1	22	861	0.402	0.571	78.983	78.986	0.000
1173	gamma	1	22	861	0.181	0.255	26.565	26.566	0.000
1174	K_S0	4	310	862	0.003	0.125	50.435	50.438	0.498
1175	gamma	1	22	863	0.031	-0.173	11.386	11.388	0.000
1176	gamma	1	22	863	0.010	-0.124	3.334	3.336	0.000
1177	gamma	1	22	865	-0.002	0.058	3.802	3.802	0.000
1178	gamma	1	22	865	-0.177	0.025	8.631	8.633	0.000
1179	K_L0	1	130	868	0.140	-0.284	12.053	12.067	0.498
1180	gamma	1	22	872	-0.025	-0.020	0.163	0.166	0.000
1181	gamma	1	22	872	-0.027	0.176	1.456	1.467	0.000
1182	gamma	1	22	877	0.174	-0.171	5.649	5.654	0.000
1183	gamma	1	22	877	0.000	-0.119	2.267	2.270	0.000
1184	gamma	1	22	879	0.224	0.323	2.136	2.172	0.000
1185	gamma	1	22	879	-0.006	0.089	0.655	0.661	0.000
1186	gamma	1	22	883	-0.123	-0.060	0.810	0.821	0.000
1187	gamma	1	22	883	-0.527	-0.065	4.606	4.636	0.000
1188	gamma	1	22	885	0.181	-0.053	1.298	1.311	0.000
1189	gamma	1	22	885	0.210	-0.031	0.751	0.780	0.000
1190	gamma	1	22	889	-0.056	0.140	3.351	3.354	0.000
1191	gamma	1	22	889	0.000	-0.029	0.373	0.374	0.000
1192	gamma	1	22	894	0.169	0.012	0.143	0.222	0.000
1193	gamma	1	22	894	0.254	-0.094	0.082	0.283	0.000
1194	gamma	1	22	898	-0.013	0.002	-0.124	0.125	0.000
1195	gamma	1	22	898	-0.060	-0.006	0.016	0.062	0.000
1196	gamma	1	22	902	0.647	-0.556	-0.857	1.209	0.000
1197	gamma	1	22	902	0.433	-0.456	-0.776	0.999	0.000
1198	gamma	1	22	905	0.041	-0.038	-1.281	1.282	0.000
1199	gamma	1	22	905	0.036	0.105	-3.568	3.570	0.000
1200	gamma	1	22	908	0.129	-0.063	-0.524	0.543	0.000
1201	gamma	1	22	908	0.013	0.033	-0.035	0.050	0.000

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1202	gamma	1	22	912	-0.012	0.073	-2.010	2.011	0.000
1203	gamma	1	22	912	0.074	0.209	-14.775	14.777	0.000
1204	gamma	1	22	915	-0.014	0.004	-0.087	0.089	0.000
1205	gamma	1	22	915	0.115	0.377	-6.893	6.904	0.000
1206	K_L0	1	130	918	-0.867	-0.039	-15.163	15.196	0.498
1207	gamma	1	22	921	0.003	0.003	-0.042	0.043	0.000
1208	gamma	1	22	921	-0.130	0.043	0.058	0.149	0.000
1209	K_L0	1	130	926	-1.667	-1.133	-2.717	3.419	0.498
1210	gamma	1	22	927	0.033	0.038	-0.096	0.108	0.000
1211	gamma	1	22	927	-0.099	-0.015	-0.281	0.298	0.000
1212	gamma	1	22	929	0.167	0.061	0.020	0.179	0.000
1213	gamma	1	22	929	0.038	0.022	0.095	0.104	0.000
1214	gamma	1	22	933	0.013	0.066	0.075	0.101	0.000
1215	gamma	1	22	933	-0.179	0.183	0.143	0.294	0.000
1216	gamma	1	22	937	0.393	0.212	0.291	0.533	0.000
1217	gamma	1	22	937	0.065	0.078	0.138	0.172	0.000
1218	K_L0	1	130	938	-1.122	-0.086	4.259	4.433	0.498
1219	gamma	1	22	943	0.141	0.283	2.394	2.415	0.000
1220	gamma	1	22	943	0.003	0.000	0.459	0.459	0.000
1221	gamma	1	22	945	-0.083	-0.180	2.107	2.116	0.000
1222	gamma	1	22	945	-0.085	-0.388	2.744	2.773	0.000
1223	gamma	1	22	953	0.367	-0.735	1.587	1.787	0.000
1224	gamma	1	22	953	0.018	-0.075	0.082	0.112	0.000
1225	K_L0	1	130	954	-0.522	-0.403	2.330	2.472	0.498
1226	K_S0	4	310	956	0.934	-2.496	5.878	6.473	0.498
1227	K_L0	1	130	960	0.133	0.145	-3.797	3.835	0.498
1228	gamma	1	22	966	0.972	-0.035	-5.627	5.711	0.000
1229	gamma	1	22	966	0.016	0.006	-0.255	0.256	0.000
1230	gamma	1	22	969	-0.051	-0.045	-1.106	1.108	0.000
1231	gamma	1	22	969	0.033	-0.058	-0.254	0.263	0.000
1232	gamma	1	22	1030	0.016	-0.262	1.378	1.403	0.000
1233	gamma	1	22	1030	-0.031	0.000	0.232	0.234	0.000
1234	K_L0	1	130	1092	0.126	0.117	-9.196	9.211	0.498
1235	gamma	1	22	1095	-0.241	-0.135	-9.133	9.137	0.000
1236	gamma	1	22	1095	-0.054	-0.132	-5.565	5.567	0.000
1237	gamma	1	22	1096	-0.142	-0.050	-1.186	1.196	0.000
1238	gamma	1	22	1096	0.008	-0.076	-0.717	0.721	0.000
1239	pi+	1	211	1108	0.349	-0.044	-0.510	0.635	0.140
1240	pi-	1	-211	1108	-0.215	0.439	-0.486	0.703	0.140
1241	K-	1	-321	1110	-0.069	0.156	-0.794	0.951	0.494
1242	K+	1	321	1110	0.153	0.269	-0.720	0.926	0.494
1243	(Kbar0)	11	-311	1132	0.314	-0.088	2.663	2.728	0.498
1244	pi-	1	-211	1132	0.075	0.160	1.244	1.264	0.140
1245	pi+	1	211	1133	-0.077	0.361	7.316	7.326	0.140
1246	(pi0)	11	111	1133	-0.394	-0.076	3.553	3.578	0.135
1247	K_L0	1	130	1243	0.314	-0.088	2.663	2.728	0.498
1248	gamma	1	22	1246	-0.268	-0.006	2.669	2.683	0.000
1249	gamma	1	22	1246	-0.126	-0.070	0.883	0.895	0.000

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sum: 2.00 0.00 0.00 0.00 14000.00 14000.00

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DumpMC          INFO >>> DumpMC from finalize
----- DumpMC World From finalize
Tauola          INFO ATLAS TAUOLA Ending.
Photos          INFO ATLAS PHOTOS Ending...
Stream1         INFO Records written: 10
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