<u>Status</u> Ξ_{c}^{0} analysis, Oct. 11 (2022), CKim

• New analysis code (AliAnaTaskSEXicOSL)

Notable updates

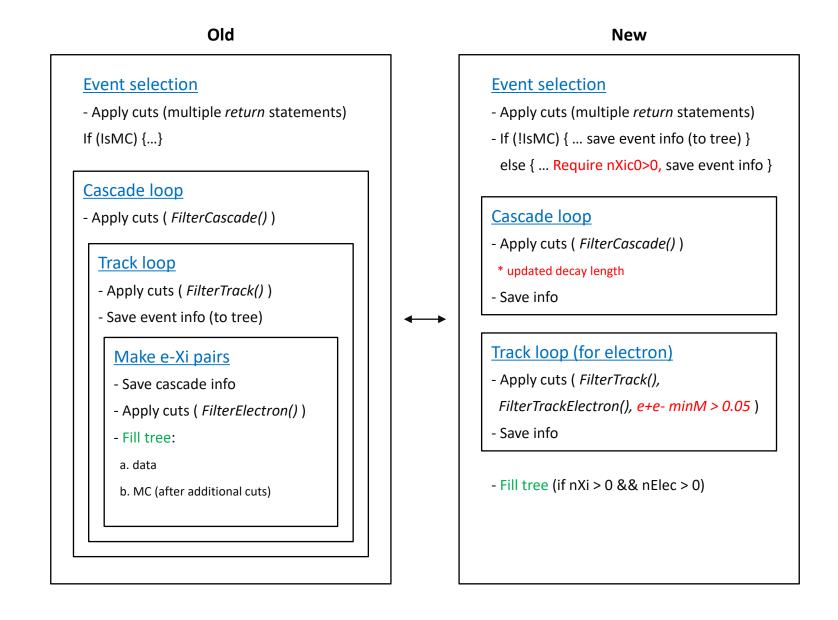
- a. Tree structure: previous e-Xi pair only \rightarrow event/electron/cascade independently
- b. Some cuts' applying position changed (e.g., e+e- min mass > 0.05 during preselection)
- c. Updated some cuts suspected as a bug (e.g., cascade decay lengths)
- d. For better consistency and human error reduction,
 - d-1. Moved most of the hard-coded values to the header, if possible
 - d-2. Matched variables' type to the official ALICE library (i.e., uses Double_t if the official function returns Double_t)
 - d-3. Checked 3 sample AODs for compatibility check (pp data, pp MC, and pA data)
- e. etc: removed most of the histograms for now

- Crosschecks

- a. Done: online selection (by events, by reco. cascasdes, and by reco. tracks)
- b. To do: offline selection (especially e-Xi pairs' yields, mass, pT, etc)
- To do
 - a. Add missing variables saved in form of histograms in old code (need to check old offline analysis routines)
 - b. Add offline analysis routines (e.g., unfolding)

<u>Comparison</u>

Structure change for online selection code (AliAnalysisTask...)



<u>xCheck</u> Old \leftrightarrow New, online selection (1)

• Eventwise selection

- Most of cuts stay the same (function invoking, cut values, etc)
 - a. Invoking order can be different
 - b. For MC, new code saves an event only if nXic0 (true) > 0
 - c. Function CheckOrigin() updated:
 - c-1. Old code checks consequently if origin is 5 (b-quark = b_flag) or NOT
 - c-2. New code checks origin more strictly (if 4 (c-quark) or 5) and returns the value

xCheck: exactly match if above item "b" is off

99 -1.9555	99 -1.9555	19 2.1142	19 2.1142
14 -5.8436	114 -5.8436	20 4.4942	20 4.4942
18 -3.7138	118 -3.7138	21 -1.5064	21 -1.5064
24 8.0242	124 8.0242	22 -8.8888	22 8.8808
26 - 2, 0502	126 - 2.0502	23 -1.5859	23 -1.5859
134 - 1, 0733	134 - 1.0733	24 0.5972	24 0.5972
17 1, 8161	137 1.8161	25 -3.8463	25 -3.8463
140 1.8936	140 1.8936	26 -1.4287	26 -1.4287
148 -4.4343	148 - 4.4343	27 -6.4934	27 -6.4934
149 -2.1984	149 - 2.1984	28 2.6685	28 2.6085
151 - 5.9148	151 -5.0148	29 1.1491	2 0 1.1491
152 2.6011	152 2.6011	30 -2.3583	30 -2.3583
156 -1.5006	156 -1.5006	31 -1.1255	31 -1.1255
157 4.2069	157 4.2969	32 -6.4533	22 -6.4533
157 4.2909	157 4.2909	32 - 6- 4353	32 -5-4933
158 -3.0224	158 - 3.6224	33 7.2565	33 7-2665
159 2.8929	159 2.8929	34 4.9884	34 4-9804
169 -4.5840	169 - 4.5840	35 - 8.9640	35 -0-9.6640
109 - 4.5040	109 -4, 3040	35 -0-39040	35 -0.5000
175 - 6.6923	175 6.6923	36 -0-3137	36 -0.3137
176 - 4.5158	176 -4,5158	37 -4-6333	37 -4.6333
178 - 0.7972	178 8.7972	38 5.0535	38 5.0535
779 -6.8668 191 - 4.2986	179 6.1912 179 -6.8668 185 4.9141 191 4.2986	30 5.0533 39 -1.0592 40 -2.0859 42 5.7670	39 -1.0532 39 -1.0502 40 -2.0859 42 5.7670
131 41,500 195 1.6499 198 -0.6074 184 3.8027	195 1.2499 195 - 0.0074 204 3.8027	42 2.3369 43 2.3369 44 2.3541 45 6.3320	43 2.3189 43 2.3189 44 2.3541 45 6.3320
104 5.004 105 4.5497 121 -4.2593 128 - 6.0452	204 5.4027 208 4.5497 221 - 4.2593 228 - 6.0452	45 0.3557 46 3.3557 48 3.6860 49 9.3158	46 -1.3557 48 3.6860 40 9.3158
20 -0.0021 39 -0.5085 41 1.8762	2:00 -0.492 2:30 -0.692 2:30 -0.5085 2:41 1.8762	50 -1.7507 51 -8.5235 52 7.8166	50 - 1.7507 50 - 1.7507 51 - 8.5235 52 7.8166
149 3.0815 150 3.4614 0gg_xCheckOld_0927_event_data.txt 342,6	249 3.081 250 3.4614 251 3.4614 251 3.4614 251 3.39,4 9%	53 -2.0189 54 -3.2259 ,/log_xCheckOld 0927_event_mc.txt 321,	53 -2.0189 54 -3.2259

<u>xCheck</u> Old \leftrightarrow New, online selection (2)

• Track selection

- Most of cuts stay the same (function invoking, cut values, etc)
 - a. Invoking order can be different
 - Applied e+e- pair (unlike-signed tracks) min mass > 0.05 cut during online selection (old code applied it offline)
- xCheck: right after *FilterTrack()* and *FilterElectron()* applied, before min mass cut:
 - a. Data: exact match
 - b. MC: results are slightly different it seems the function *AliPIDResponse::NumberOfSigmasTOF<TPC>*

newly evaluated for every execution? Even the same code (either Old or New) shows different results

AliOADBContainer::GetObject: Default Object (TimeRangeNasking) not fo	ound E-AliOADBContainer::GetObject: Default Object (TimeRangeMasking) not fou
** TDatabasePDG::AddParticle: particle with PDGcode=3124 already defi	ined *** TDatabasePDG::AddParticle: particle with PDGcode=3124 already defin
** TDatabasePDG::AddAntiParticle: can't redefine parameters	*** TDatabasePDG::AddAntiParticle: can't redefine parameters
176 244 185 1,4891	176 244 185 1,4891
286 39 26 0,5548	286 39 26 0,5548
589 481 9 0.5177	589 481 9 0.5177
733 3 1 0.6243	733 3 1 0.6243
803 1 9 0.5061	803 1 9 0.5061
866 141 329 1.9371	866 141 329 1.9371
924 286 47 0.5568	924 286 47 0.5568
060 5 1 0.9009 164 315 17 0.5419	1060 5 1 0.9009 1164 315 17 0.5419
440 3 3 1.5270	1440 3 3 1.5270
714 53 34 0.5885	1714 53 34 0.5885
2476 8 4 8.6123	2476 8 4 0.6123
2589 1 1 0.8237	2589 1 1 0.8237
762 62 72 0.5572	2762 62 72 0.5572
864 375 6 0.6168	2864 375 6 0.6168
026 370 45 0.8661	3026 370 45 0.8661
328 3 0 1.7648	3328 3 0 1.7648
434 23 25 0.6664	3434 23 25 0.6664
437 195 4 0.8015 748 3 2 1.0583	3437 195 4 0.8015 3748 3 2 1.0583
748 3 2 1.0583 923 349 50 0.5175	3748 3 2 1.0583 3923 349 50 0.5175
923 349 50 0.5175 1978 22 37 0.6633	3923 349 58 0.5175
22 57 6.0055	4236 78 301 1.3890
369 7 67 1.4228	4369 7 67 1.4228
379 57 43 0.8350	4379 57 43 0.8350
403 11 4 1.2157	4403 11 4 1.2157
448 190 34 0.7910	4448 198 34 8.7918
457 139 356 1.5088	4457 139 356 1.5088
476 258 329 1.7747	4476 258 329 1.7747
734 31 10 0.9563	4734 31 10 0.9563
377 40 34 0.9880	5377 40 34 0.9880
459 222 181 1.3110 130 15 19 1.4162	5459 222 181 1.3110 6130 15 19 1.4162
130 15 19 1.4162	6190 15 19 1.4162
296 615 78 0.8323	6296 615 78 0.8323
805 46 22 2.7993	7005 46 22 2.7993
730 187 1 1.4274	7730 187 1 1.4274
785 12 26 0.5709	7785 12 26 8.5789
871 16 6 1.9889	
071 218 7 1.9749	8071 218 7 1.9749
894 194 12 8.8191	8094 194 12 0.8191
144 19 19 0.6016	8144 19 19 0.6016
336 250 172 1.5247	8336 250 172 1.5247
364 23 7 1.3301 371 9 3 1.6447	8364 23 7 1.3301 8371 9 3 1.0447
394 379 6 1.5829	8394 379 6 1.5829
g xCheckOld 0928 tracke data.txt 349,1	48% log xCheckNew 0928 tracke data.txt 390,21 4

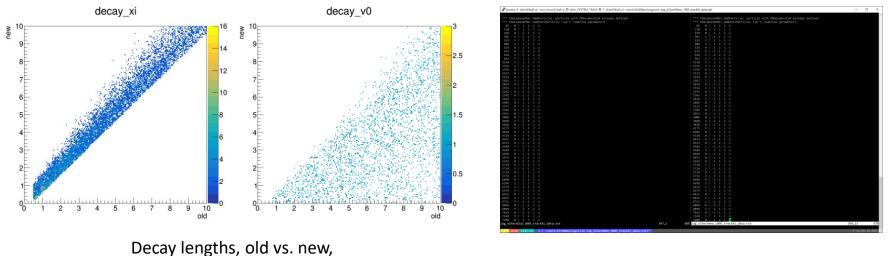
<u>xCheck</u> Old \leftrightarrow New, online selection (3)

Cascade selection

- Most of cuts stay the same
- Transverse radius or Decay length?

→ Old code uses 'transverse radius @ each decay vertex (e.g., V0 vertex) as a cut': intended? Valid? Effect?

- xCheck: right after *FilterCascade()*, exactly match for both data/MC if the same cuts are used



by 5 LHC18p runs @ Grid

Newly xChecked, Oct. 5

LAST SLIDE

Backup xCheck: eventwise selection, data, pp

4 -2.9238	4 -2.9238	
4 -2.9238 TDatabasePDG::AddParticle: particle with PDGcode=31:		ode=3124 already defin
TDatabasePDG::AddAntiParticle: can't redefine parame		
6 -2.8052	6 -2.8052	
1 6.9671	31 6.9671	
2 8.4434	32 8.4434	
6 -4.2863	36 -4.2863	
9 -0.5380	39 -0.5380	
6 -0.5151	46 -0.5151	
0 -0.6913 9 -0.3006	50 -0.6913 59 -0.3006	
1 -3.0911	61 -3.0911	
2 -4.4114	62 -4.4114	
3 7.8572	73 7.8572	
2 -1.0290	82 -1.0290	
3 1.7412	83 1.7412	
4 9.1960	84 9.1960	
6 5.1097	86 5.1097	
B -3.7774	88 -3.7774	
0 -7.9946	90 -7.9946	
9 -1.9555	99 -1.9555	
4 -5.8436	114 -5.8436	
B -3.7138 4 8.0242	118 -3.7138 124 8.0242	
+ 8.0242 5 -2.0502	126 -2.0502	
4 -1.0733	134 -1.0733	
7 1.8161	137 1.8161	
0 1.8936	140 1.8936	
8 -4.4343	148 -4.4343	
9 -2.1984	149 -2.1984	
1 -5.9148	151 -5.9148	
2 2.6011	152 2.6011	
6 -1.5006	156 -1.5006	
7 4.2969	157 4.2969	
B -3.0224 9 2.8929	158 -3.0224 159 2.8929	
9 -4.5840	169 -4.5840	
5 6.6923	175 6.6923	
5 -4.5158	176 -4.5158	
3 0.7972	178 0.7972	
9 -6.8668	179 -6.8668	
5 4.9141	185 4.9141	
1 4.2986	191 4.2986	
5 1.0499	195 1.0499	
3 -0.0074	198 -0.0074	
4 3.8027	204 3.8027	
3 4.5497 1 -4.2593	208 4.5497 221 -4.2593	
3 -6.0452	222 -4.2595	
8 0.0821	238 0.0821	
9 -0.5085	239 -0.5085	
1 1.8762	241 1.8762	
9 3.0815	249 3.0815	
0 3.4614	250 3.4614	
g_xCheckOld_0927_event_data.txt	342,6 9% log_xCheckNew 0927_event_data.txt	339,4

Backup xCheck: eventwise selection, mc, pp

볼 [screen 0: ckim@kiaf-ui:~(run_tmux)] kiaf-ui 짠 ckim_SYSTEM_TMUX 쨩 1: ckim@kiaf-ui:~/w	ork/Xic0New/Logs/logs_xCheck_2022Sep(vim log_xCheckNew_0927_event – 🛛 🛛 🛛
1 -1.0584 *** TDatabasePDG::AddParticle: particle with PDGcode=3124 already defined	1 -1.0584 2 0.2781
*** TDatabasePDG::AddAntiParticle: can't redefine parameters	3 -1.9232
2 0.2781	*** TDatabasePDG::AddParticle: particle with PDGcode=3124 already defined
3 -1.9232	*** TDatabasePDG::AddAntiParticle: can't redefine parameters
4 2.8301	4 2.8301
5 -3.7953	5 -3.7953
6 -1.5421	6 -1.5421
7 1.3168	7 1.3168
8 -2.9992	8 -2.9992
9 -8.6774	9 -8.6774
10 -0.6204 11 -8.5469	10 -0.6204 11 -8.5469
12 -1.6112	12 -1.6112
13 2.0651	13 2.0651
14 -1.5124	14 -1.5124
15 -5.9465	15 -5.9465
16 -5.5603	16 -5.5603
17 1.7305	17 1.7305
18 1.1950	18 1.1950
19 2.1142	19 2.1142
20 4.4942	20 4.4942
21 -1.5064	21 -1.5064
22 -8.8808	22 -8.8808
23 -1.5859 24 0.5972	23 -1.5859
24 0.5972 25 -3.8463	24 0.5972 25 -3.8463
26 -1.4287	26 -1.4287
27 -6.4934	27 -6.4934
28 2.6085	28 2.6085
29 1.1491	29 1.1491
30 -2.3583	30 -2.3583
31 -1.1255	31 -1.1255
32 -6.4533	32 -6.4533
33 7.2565	33 7.2565
34 4.9804	34 4.9804
35 -0.9640	35 -0.9640
36 -0.3137	36 -0.3137
37 -4.6333 38 5.0535	37 -4.6333 38 5.0535
39 -1.0502	39 -1.0502
40 -2.0859	40 -2.0859
42 5.7670	42 5.7670
43 2.3189	43 2.3189
44 2.3541	44 2.3541
45 6.3320	45 6.3320
46 -1.3557	46 -1.3557
48 3.6860	48 3.6860
49 9.3158	49 9.3158
50 -1.7507	50 -1.7507
51 -8.5235	51 -8.5235
52 7.8166 53 -2.0189	52 7.8166 53 -2.0189
54 -3.2259	53 - 2.0189
	log_xCheckNew_0927_event_mc.txt 294,13 3%
<pre>c ckim kiaf-ui 1 ~/work/Xic0New/Logs/logs_xCheck_2022Sep(vim log_x</pre>	CheckNew_0927_event_mc.txt)* 14:22 04-Oct

Backup xCheck: track selection, data, pp

iOADBContainer::GetObject: Default Object (TimeRangeMasking) not found	<pre> E-AliOADBContainer::GetObject: Default Object (TimeRangeMasking) not fo !</pre>
[•] TDatabasePDG::AddParticle: particle with PDGcode=3124 already defined	 *** TDatabasePDG::AddParticle: particle with PDGcode=3124 already defi
TDatabasePDG::AddAntiParticle: can't redefine parameters	*** TDatabasePDG::AddAntiParticle: can't redefine parameters
76 244 185 1.4891	176 244 185 1.4891
6 39 26 0.5548	286 39 26 0.5548
6 15 7 1.5281	416 15 7 1.5281
9 481 9 0.5177	589 481 9 0.5177
3 3 1 0.6243	733 3 1 0.6243
3 1 9 0.5061	803 1 9 0.5061
6 141 329 1.9371	866 141 329 1.9371 924 286 47 0.5568
4 286 47 0.5568 0 5 1 0.9009	
0 5 1 0.9009 4 315 17 0.5419	1060 5 1 0.9009 1164 315 17 0.5419
14 515 17 0.5419 10 3 3 1.5270	1104 515 17 0.5419
4 53 34 0.5885	1714 53 34 0.5885
6 8 4 0.6123	2476 8 4 0.6123
9 1 1 0.8237	2589 1 1 0.8237
2 62 72 0.5572	2762 62 72 0.5572
7 334 21 0.7173	2797 334 21 0.7173
4 375 6 0.6168	2864 375 6 0.6168
6 370 45 0.8661	3026 370 45 0.8661
8 3 0 1.7648	3328 3 0 1.7648
4 23 25 0.6664	3434 23 25 0.6664
7 195 4 0.8015	3437 195 4 0.8015
8 3 2 1.0583	3748 3 2 1.0583
3 349 50 0.5175	3923 349 50 0.5175
0 22 37 0.6633	3970 22 37 0.6633
6 78 301 1.3890	4236 78 301 1.3890
9 7 67 1.4228	4369 7 67 1.4228
9 57 43 0.8350	4379 57 43 0.8350
3 11 4 1.2157	4403 11 4 1.2157
8 190 34 0.7910	4448 190 34 0.7910
7 139 356 1.5088	4457 139 356 1.5088
6 258 329 1.7747	4476 258 329 1.7747
4 31 10 0.9563	4734 31 10 0.9563
7 40 34 0.9880	5377 40 34 0.9880
9 222 181 1.3110	5459 222 181 1.3110
0 15 19 1.4162	6130 15 19 1.4162
1 230 31 0.5033 6 615 78 0.8323	6191 230 31 0.5033 6296 615 78 0.8323
5 46 22 2.7993	7005 46 22 2.7993
0 187 1 1.4274	7730 187 1 1.4274
5 12 26 0.5709	7785 12 26 0.5709
6 132 4 0.7682	7786 132 4 0.7682
4 38 41 0.7512	7904 38 41 0.7512
1 16 6 1.9889	8071 16 6 1.9889
1 218 7 1.9749	8071 218 7 1.9749
4 194 12 0.8191	8094 194 12 0.8191
4 19 19 0.6016	8144 19 19 0.6016
6 250 172 1.5247	8336 250 172 1.5247
4 23 7 1.3301	8364 23 7 1.3301
1 9 3 1.0447	8371 9 3 1.0447
4 379 6 1.5829	8394 379 6 1.5829
xCheckOld_0928_tracke_data.txt 349,1 48%	log_xCheckNew_0928_tracke_data.txt 390,21

Backup xCheck: cascade selection, data, pp (Sep. 29)

iOADBContainer::GetIndexForRun: No object (TimeRangeMasking 294200 !	;) found for W-AliOADBContainer::GetIndexForRun: No object (TimeRangeMasking) found run 294200 !
essage repeated 1 time> iOADBContainer::GetObject: Default Object (TimeRangeMasking	<pre></pre>
TDatabasePDG::AddParticle: particle with PDGcode=3124 alre	eady defined *** TDatabasePDG::AddParticle: particle with PDGcode=3124 already defi
TDatabasePDG::AddAntiParticle: can't redefine parameters	<pre>*** TDatabasePDG::AddAntiParticle: can't redefine parameters</pre>
32 0 / 1 1 1 -1	82 0 / 1 1 1 -1
18 0 / 1 1 1 -1 19 0 / -1 -1 1 -1	
39 67 - 1 - 1 1 - 1	239 0 / -1 -1 1 -1 302 1 / -1 -1 1 -1
2 3 / 1 1 1 -1	312 3 / 1 1 1 -1
19 2 / 1 1 1 -1	409 2 / 1 1 1 -1
24 0 / 1 1 1 -1	524 0 / 1 1 1 -1
5 0 / -1 -1 1 -1	615 0 / -1 -1 1 -1
4 1 / -1 -1 1 -1	924 1 / -1 -1 1 -1
1 2 / 1 1 1 -1	941 2 / 1 1 1 -1
0 2 / 1 1 1 -1	
2 1 / -1 -1 1 -1 9 0 / -1 -1 1 -1	1332 1 / -1 -1 1 -1 1359 0 / -1 -1 1 -1
3 0 / -1 -1 1 -1	1513 0 / -1 -1 1 -1 1513 0 / -1 -1 1 -1
4 0 / -1 -1 1 -1	
1 1 / 1 1 1 -1	
9 0 / -1 -1 1 -1	1829 0 / -1 -1 1 -1
6 1 / -1 -1 1 -1	1916 1 / -1 -1 1 -1
2 0 / -1 -1 1 -1	2242 0 / -1 -1 1 -1
5 0 / -1 -1 1 -1	2365 0 / -1 -1 1 -1
6 1 / -1 -1 1 -1	
5 0 / 1 1 1 -1 1 0 / -1 -1 1 -1	2485 0 / 1 1 1 -1 2511 0 / -1 -1 1 -1
6 0 / -1 -1 1 -1	2786 0 / -1 -1 1 -1
1 0 / -1 -1 1 -1	2951 0 / -1 -1 1 -1
6 0 / -1 -1 1 -1	3086 0 / -1 -1 1 -1
9 2 / -1 -1 1 -1	3669 2 / -1 -1 1 -1
8 0 / -1 -1 1 -1	3828 0 / -1 -1 1 -1
1 1 / 1 1 1 -1	
8 0 / -1 -1 1 -1 1 0 / -1 -1 1 -1	4318 0 / -1 -1 1 -1 4431 0 / -1 -1 1 -1
3 0 / -1 -1 1 -1	
4 1 / -1 -1 1 -1	4584 1 / -1 -1 1 -1
4 3 / 1 1 1 -1	4584 3 / 1 1 1 -1
9 0/-1-1 1-1	4949 0 / -1 -1 1 -1
3 0 / -1 -1 1 -1	5073 0 / -1 -1 1 -1
2 0 / -1 -1 1 -1	5242 0 / -1 -1 1 -1
8 1 / -1 -1 1 -1 8 2 / -1 -1 1 -1	5718 1 / -1 -1 1 -1 5718 2 / -1 -1 1 -1
8 2 / -1 -1 1 -1 9 0 / 1 1 1 -1	5718 2 / -1 -1 1 -1 5719 0 / 1 1 1 -1
2 1 / 1 1 1 -1	5732 1 / 1 1 1 -1
8 0 / -1 -1 1 -1	6048 0 / -1 -1 1 -1
06 2 / 1 1 1 -1	6296 2 / 1 1 1 -1
4 1 / -1 -1 1 -1	6314 1 / -1 -1 1 -1
74 3 / 1 1 1 -1	
g_xCheckOld_0929_trackXi_data.txt 389,23	47% log_xCheckNew_0929_trackXi_data_matchToOld.txt 386,23

Backup xCheck: cascade selection, MC, pp (Sep. 29)

AliTimeRangeCut::InitFromRunNumber: Setting pass name from ProdInfo: ss: AliOADBContainer::GetIndexForRun: No object (TimeRangeMasking) found fo n 294200 ! nessage repeated 1 time>	I-AliAODpidUtil::SetHMPIDPidResponseMaster: Loading HMPID Params from /cv fs/alice.cern.ch/el6-x86_64/Packages/AliPhysics/vAN-20220701_ROOT6-1/0ADE COMMON/PID/data/HMPIDPIDParams.root
AliOADBContainer::GetObject: Default Object (TimeRangeMasking) not four	d W-AliOADBContainer::GetIndexForRun: No object (HMPoadb) found for run 294 00 !
** TDatabasePDG::AddParticle: particle with PDGcode=3124 already define ** TDatabasePDG::AddAntiParticle: can't redefine parameters 168 0 / -1 -1 1 -1	d *** TDatabasePDG::AddParticle: particle with PDGcode=3124 already define *** TDatabasePDG::AddAntiParticle: can't redefine parameters 168 0 / -1 -1 1 -1
752 0 / 1 1 1 -1	752 0 / 1 1 1 -1
328 2 / 1 1 1 -1	
371 2 / 1 1 1 -1 909 1 / -1 -1 1 -1	871 2 / 1 1 1 -1 1009 1 / -1 -1 1 -1
009 1/-1 -1 1-1 026 1/-1 -1 1-1	1026 1 / -1 -1 1 -1
041 0 / -1 -1 1 -1	1041 0 / -1 -1 1 -1
056 0 / -1 -1 1 -1	1056 0 / -1 -1 1 -1
332 0 / 1 1 1 -1	
396 0 / -1 -1 1 -1 396 1 / 1 1 1 -1	1332 0 / 1 1 1 -1 1396 0 / -1 -1 1 -1
799 0 / -1 -1 1 -1	1396 0 / -1 -1 1 -1 1396 1 / 1 1 1 -1
316 0 / -1 -1 1 -1	1799 0 / -1 -1 1 -1
504 0 / 1 1 1 -1	1816 0 / -1 -1 1 -1
539 0 / -1 -1 1 -1	2504 0 / 1 1 1 -1
745 0 / 1 1 1 -1	2639 0 / -1 -1 1 -1
348 1 / 1 1 1 -1 973 0 / -1 -1 1 -1	2745 0 / 1 1 1 -1 3073 0 / -1 -1 1 -1
274 0 / -1 -1 1 -1	3073 0 / -1 -1 1 -1 3274 0 / -1 -1 1 -1
325 0 / -1 -1 1 -1	3325 0 / -1 -1 1 -1
425 0 / -1 -1 1 -1	3425 0 / -1 -1 1 -1
593 0 / 1 1 1 -1	3593 0 / 1 1 1 -1
509 0 / -1 -1 1 -1	3609 0 / -1 -1 1 -1
580 1 / -1 -1 1 -1 932 7 / 1 1 1 -1	3680 1 / -1 -1 1 -1 4032 7 / 1 1 1 -1
302 0 / -1 -1 1 -1	4302 0 / -1 -1 1 -1
558 0 / 1 1 1 -1	4658 0 / 1 1 1 -1
041 0 / 1 1 1 -1	5041 0 / 1 1 1 -1
427 0 / 1 1 1 -1	5427 0 / 1 1 1 -1
	5471 1 / 1 1 1 -1
507 1 / 1 1 1 -1 751 0 / -1 -1 1 -1	5507 1 / 1 1 1 -1 5751 0 / -1 -1 1 -1
0 / -1 -1 1 -1 0 / -1 -1 1 -1	5934 0 / -1 -1 1 -1
218 0 / 1 1 1 -1	6218 0 / 1 1 1 -1
525 6 / 1 1 1 -1	6625 6 / 1 1 1 -1
212 0 / 1 1 1 -1	
414 0 / -1 -1 1 -1	7414 0 / -1 -1 1 -1
	Done <mark>l</mark>
	at lag vChaskNey 0020 theoly i we match T-03 d tot
log_xCheckOld_0929_trackXi_mc.txt 277,1 E	ot log_xCheckNew_0929_trackXi_mc_matchToOld.txt 281,5 Bo