A_all Beta2 of C runs	dA_all Beta2	C runs	A_Q	sign of A_beta2*A_q	Run	A_unpol Q norm	A_LT	A_unpol norm+LT
1.78%	2.47%	Carbon	-1.28%	-1	72205	3.05%	97.86%	-97.72%
0.02%	0.14%	Carbon	-0.06%	-1	72206	0.08%	97.71%	-97.71%
0.14%	0.06%	C+He	0.04%	1	72287	0.10%	0.00%	0.09%
0.09%	0.06%	C+He	0.04%	1	72288	0.04%	0.03%	0.01%
0.21%	0.15%	C+He	0.05%	1	72289	0.16%	0.00%	0.16%
0.19%	0.07%	Carbon	0.05%	1	72290	0.14%	0.01%	0.13%
0.05%	0.09%	Carbon	0.05%	1	72291	0.00%	-0.03%	0.03%
0.11%	0.07%	C+He	-0.02%	-1	72341	0.13%	0.00%	0.13%
0.06%	0.07%	C+He	-0.03%	-1	72342	0.09%	-0.01%	0.09%
-0.08%	0.18%	C+He	-0.02%	1	72343	-0.07%	-0.21%	0.14%
-0.05%	0.14%	C+He	-0.01%	1	72344	-0.04%	-0.04%	0.00%
0.00%	0.14%	C+He	-0.02%	1	72345	0.02%	-0.01%	0.03%
0.33%	0.40%	C+He	-0.05%	-1	72346	0.38%	-0.46%	0.83%
-0.06%	0.11%	C+He	-0.03%	1	72347	-0.02%	-0.06%	0.03%
-0.06%	0.19%	C+He	-0.04%	1	72348	-0.01%	-0.09%	0.07%
-0.20%	0.12%	Carbon	-0.06%	1	72375	-0.14%	0.02%	-0.16%
0.16%	0.13%	Carbon	-0.06%	-1	72377	0.22%	-0.06%	0.28%
-0.26%	0.07%	Carbon	-0.08%	1	72380	-0.18%	0.00%	-0.18%
-0.33%	0.07%	Carbon	-0.07%	1	72381	-0.26%	0.02%	-0.27%
-0.15%	0.11%	Carbon	-0.10%	1	72435	-0.05%	0.04%	-0.09%
-0.23%	0.08%	Carbon	-0.10%	1	72436	-0.13%	0.05%	-0.18%
-0.19%	0.08%	C+He	-0.10%	1	72442	-0.09%	-0.06%	-0.03%
-0.27%	0.10%	C+He	-0.10%	1	72697	-0.17%	-0.12%	-0.05%
-0.07%	0.09%	C+He	-0.10%	1	72698	0.04%	-0.12%	0.16%
-0.17%	0.05%	C+He	-0.09%	1	72705	-0.08%	-0.08%	0.00%
-0.13%	0.07%	Carbon	-0.09%	1	72754	-0.04%	-0.25%	0.21%
-0.18%	0.09%	Carbon	-0.10%	1	72782	-0.08%	-0.18%	0.10%
-0.88%	0.52%	Carbon	-0.06%	1	72912	-0.82%	0.47%	-1.29%
0.05%	0.12%	C+He	-0.03%	-1	72937	0.08%	0.03%	0.05%
0.13%	0.14%	Carbon	-0.03%	-1	72940	0.15%	0.12%	0.03%
-0.22%	0.28%	C+He	-0.03%	1	72952	-0.20%	0.16%	-0.35%
0.05%	0.14%	Carbon	-0.04%	-1	72953	0.08%	0.07%	0.01%
0.06%	0.22%	Carbon	-0.04%	-1	72954	0.10%	-0.04%	0.14%
-0.14%	0.12%	Carbon	-0.05%	1	72955	-0.09%	0.02%	-0.11%
-0.42%	0.14%	C+He	-0.08%	1	72970	-0.34%	0.00%	-0.34%
-0.02%	0.18%	C+He	-0.07%	1	72971	0.06%	-0.01%	0.07%
-0.72%	0.18%	C+He	-0.08%	1	72972	-0.65%	0.10%	-0.74%
-0.09%	0.09%	C+He	-0.02%	1	72993	-0.07%	0.02%	-0.09%
0.02%	0.10%	Carbon	-0.02%	-1	72994	0.03%	0.04%	-0.01%
0.11%	0.10%	Carbon	-0.01%	-1	72995	0.12%	0.05%	0.07%
-0.22%	0.17%	C+He	-0.06%	1	73006	-0.16%	0.04%	-0.20%
-0.18%	0.13%	C+He	-0.05%	1	73008	-0.13%	0.08%	-0.21%
0.06%	0.11%	C+He	-0.05%	-1	73009	0.11%	0.08%	0.03%
0.00%	0.11%	C+He	-0.03%	1	73026	0.03%	0.08%	-0.05%
-0.06%	0.14%	Carbon	-0.03%	1	73027	-0.03%	0.02%	-0.05%

			N(-1)	11		
			N(1)	32		
<A_Q>	-0.043%	(from BCM1)				
<|A_Q|>	0.053%	Non-NH3 <A_Beta2>		-0.058%	+/-	0.015%
		Q normalized		-0.019%	+/-	0.015%
		With LT		0.000%	+/-	0.015%

Shaded runs were used in previous study: <A_Beta2> -0.15% +/- 0.06%

Excluded runs

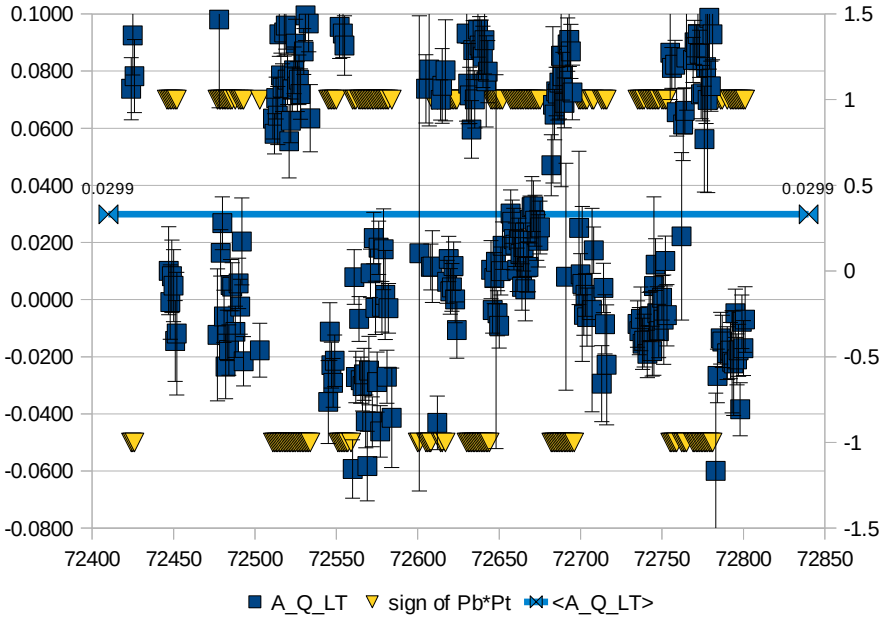
With swapped helicity labels	LT based on h+	LT correct first?	Model LT h+	c in c*T - T+
Y		N	Y	0.985717

A_all Beta2 of C runs	dA_all Beta2	C runs	A_Q	sign of A_beta2*A_q	Run	A_unpol Q norm	A_LT	A_unpol norm+LT
1.78%	2.47%	Carbon	-1.28%	-1	72205	3.05%	97.86%	-97.72%
0.02%	0.14%	Carbon	-0.06%	-1	72206	0.08%	97.71%	-97.70%
0.14%	0.06%	C+He	0.04%	1	72287	0.10%	-0.05%	0.14%
0.09%	0.06%	C+He	0.04%	1	72288	0.04%	-0.02%	0.06%
0.21%	0.15%	C+He	0.05%	1	72289	0.16%	-0.04%	0.21%
0.19%	0.07%	Carbon	0.05%	1	72290	0.14%	-0.04%	0.17%
0.05%	0.09%	Carbon	0.05%	1	72291	0.00%	-0.08%	0.08%
0.11%	0.07%	C+He	-0.02%	-1	72341	0.13%	-0.04%	0.17%
0.06%	0.07%	C+He	-0.03%	-1	72342	0.09%	-0.06%	0.14%
-0.08%	0.18%	C+He	-0.02%	1	72343	-0.07%	-0.26%	0.19%
-0.05%	0.14%	C+He	-0.01%	1	72344	-0.04%	-0.09%	0.05%
0.00%	0.14%	C+He	-0.02%	1	72345	0.02%	-0.05%	0.08%
0.33%	0.40%	C+He	-0.05%	-1	72346	0.38%	-0.50%	0.88%
-0.06%	0.11%	C+He	-0.03%	1	72347	-0.02%	-0.11%	0.08%
-0.06%	0.19%	C+He	-0.04%	1	72348	-0.01%	-0.13%	0.12%
-0.20%	0.12%	Carbon	-0.06%	1	72375	-0.14%	-0.03%	-0.11%
0.16%	0.13%	Carbon	-0.06%	-1	72377	0.22%	-0.10%	0.32%
-0.26%	0.07%	Carbon	-0.08%	1	72380	-0.18%	-0.05%	-0.13%
-0.33%	0.07%	Carbon	-0.07%	1	72381	-0.26%	-0.03%	-0.23%
-0.15%	0.11%	Carbon	-0.10%	1	72435	-0.05%	-0.01%	-0.04%
-0.23%	0.08%	Carbon	-0.10%	1	72436	-0.13%	0.00%	-0.13%
-0.19%	0.08%	C+He	-0.10%	1	72442	-0.09%	-0.11%	0.02%
-0.27%	0.10%	C+He	-0.10%	1	72697	-0.17%	-0.17%	0.00%
-0.07%	0.09%	C+He	-0.10%	1	72698	0.04%	-0.17%	0.20%
-0.17%	0.05%	C+He	-0.09%	1	72705	-0.08%	-0.13%	0.05%
-0.13%	0.07%	Carbon	-0.09%	1	72754	-0.04%	-0.30%	0.26%
-0.18%	0.09%	Carbon	-0.10%	1	72782	-0.08%	-0.23%	0.15%
-0.88%	0.52%	Carbon	-0.06%	1	72912	-0.82%	0.42%	-1.24%
0.05%	0.12%	C+He	-0.03%	-1	72937	0.08%	-0.02%	0.10%
0.13%	0.14%	Carbon	-0.03%	-1	72940	0.15%	0.08%	0.08%
-0.22%	0.28%	C+He	-0.03%	1	72952	-0.20%	0.11%	-0.30%
0.05%	0.14%	Carbon	-0.04%	-1	72953	0.08%	0.02%	0.06%
0.06%	0.22%	Carbon	-0.04%	-1	72954	0.10%	-0.09%	0.19%
-0.14%	0.12%	Carbon	-0.05%	1	72955	-0.09%	-0.03%	-0.06%
-0.42%	0.14%	C+He	-0.08%	1	72970	-0.34%	-0.05%	-0.29%
-0.02%	0.18%	C+He	-0.07%	1	72971	0.06%	-0.06%	0.12%
-0.72%	0.18%	C+He	-0.08%	1	72972	-0.65%	0.05%	-0.69%
-0.09%	0.09%	C+He	-0.02%	1	72993	-0.07%	-0.03%	-0.04%
0.02%	0.10%	Carbon	-0.02%	-1	72994	0.03%	0.00%	0.04%
0.11%	0.10%	Carbon	-0.01%	-1	72995	0.12%	0.00%	0.12%
-0.22%	0.17%	C+He	-0.06%	1	73006	-0.16%	-0.01%	-0.16%
-0.18%	0.13%	C+He	-0.05%	1	73008	-0.13%	0.03%	-0.16%
0.06%	0.11%	C+He	-0.05%	-1	73009	0.11%	0.03%	0.08%
0.00%	0.11%	C+He	-0.03%	1	73026	0.03%	0.03%	0.00%
-0.06%	0.14%	Carbon	-0.03%	1	73027	-0.03%	-0.03%	0.00%

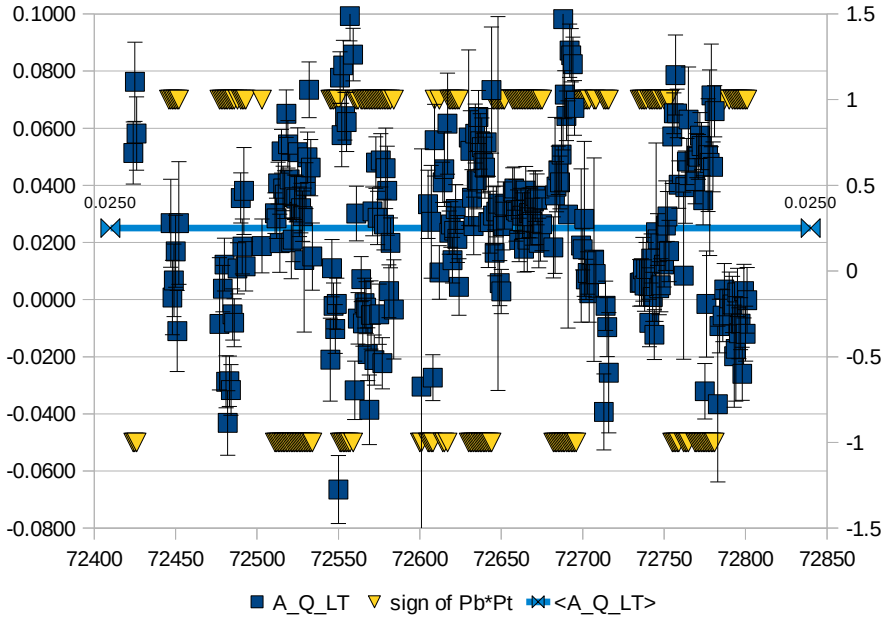
			N(-1)	11		
			N(1)	32		
<A_Q>	-0.043%	(from BCM1)				
<|A_Q|>	0.053%	Non-NH3 <A_Beta2>		-0.058%	+/-	0.015%
		Q normalized		-0.019%	+/-	0.015%
		With LT		0.049%	+/-	0.015%

Shaded runs were used in previous study:	<A_Beta2>	-0.15%	+/-	0.06%
Excluded runs				

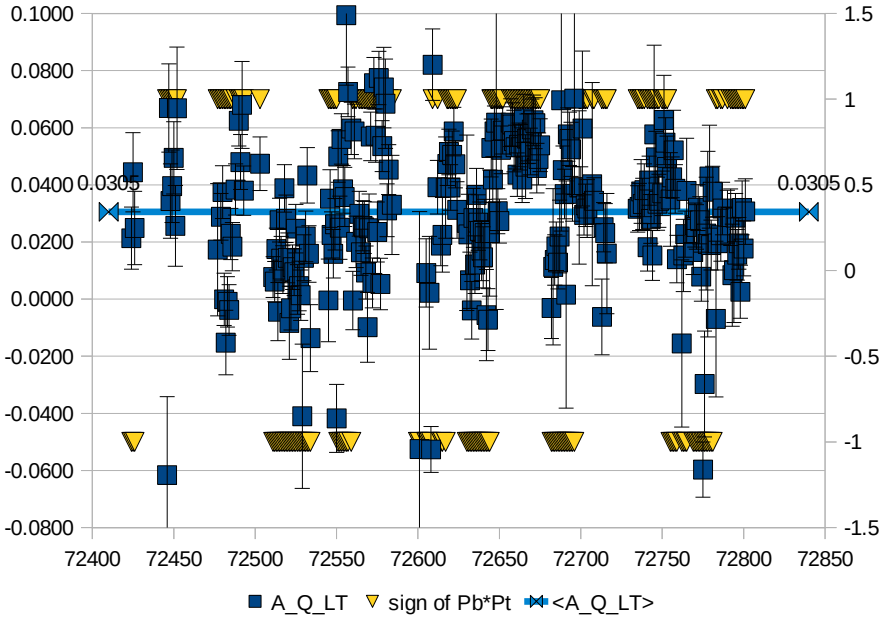
With swapped helicity labels	LT based on h+	LT correct first?	Model LT h+	c in c*T - T+
	Y	N	Y	0.985238



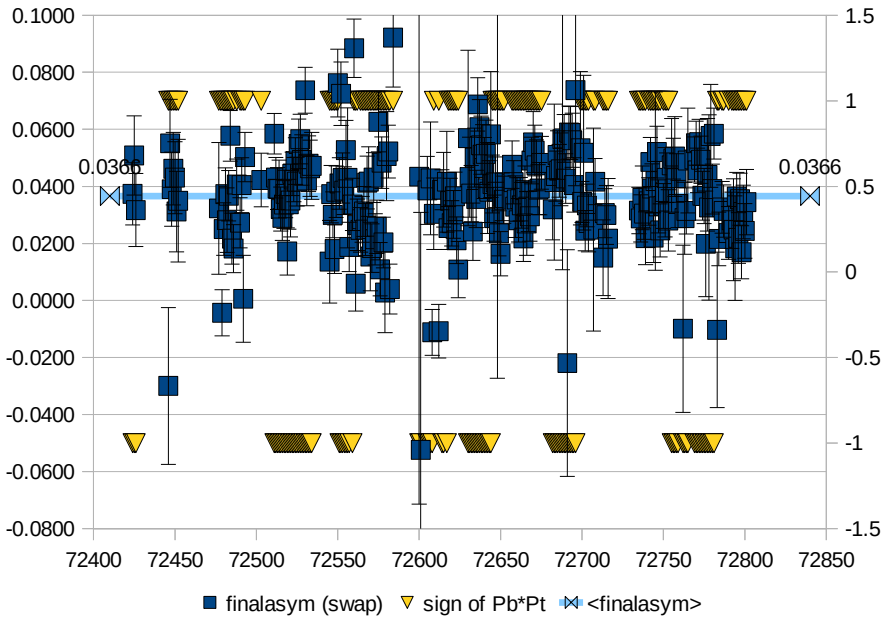
No LT or A_false, charge norm, no swap



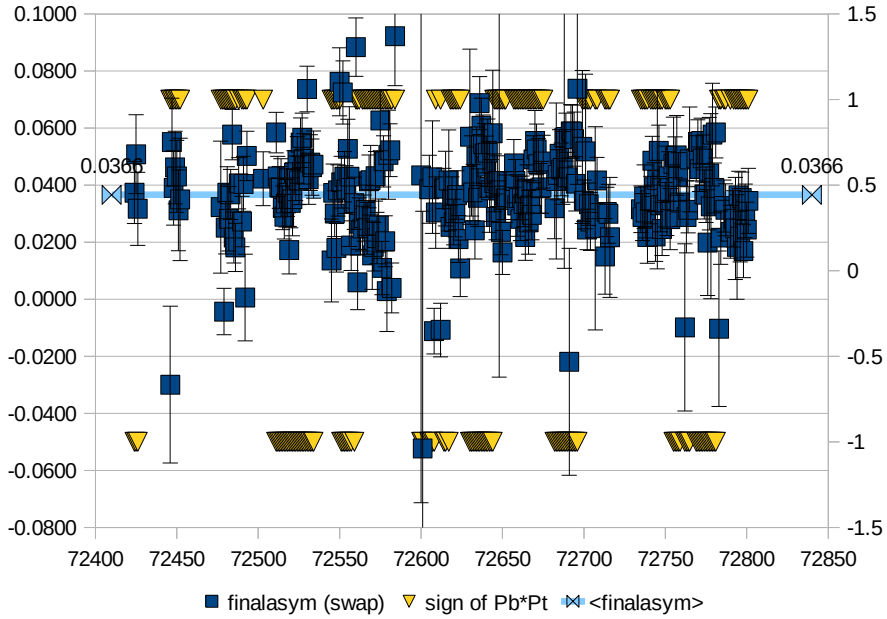
LT 538 h+, no A_false, charge norm, no swap



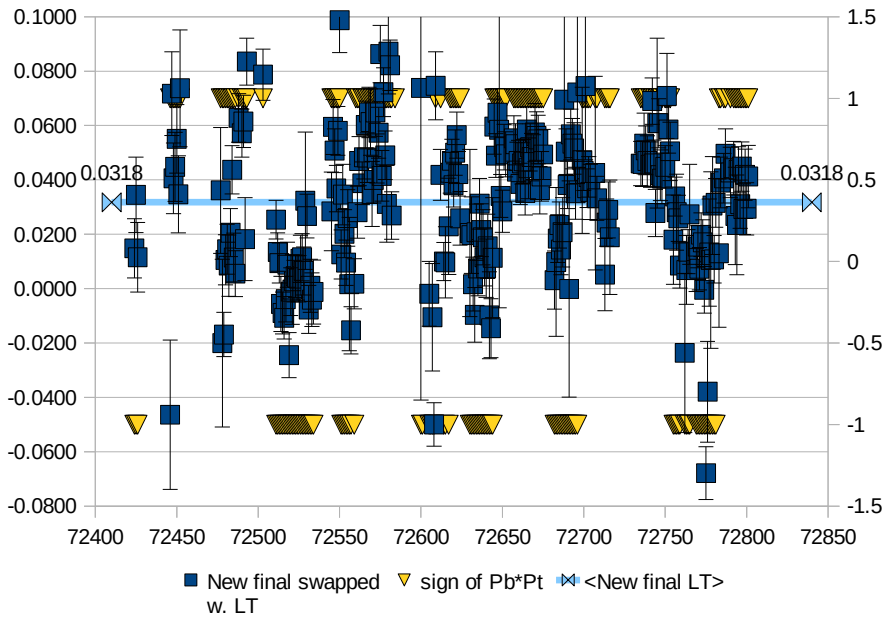
LT 538 h+, A_false = 0.18%, charge norm, no swap



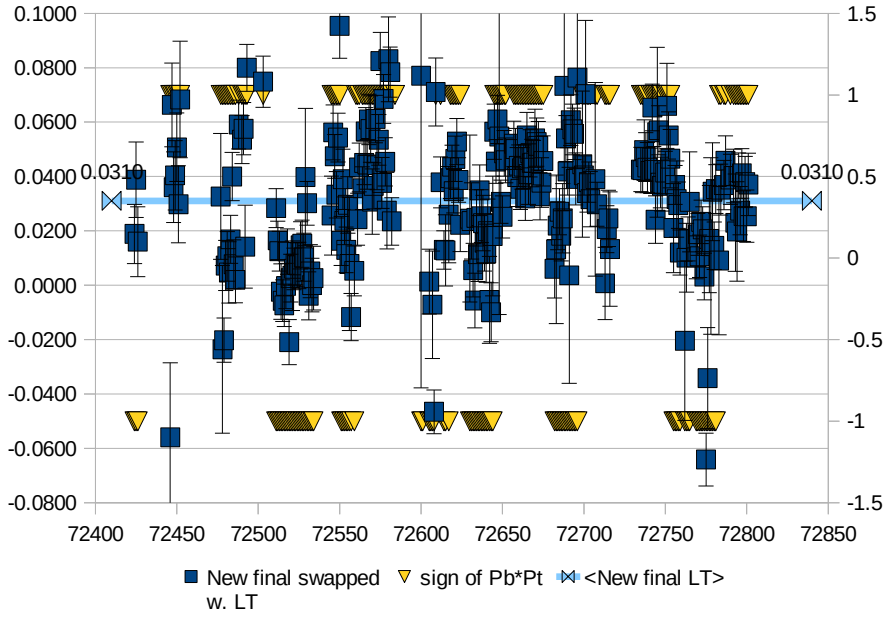
No LT or A_false charge norm, swap



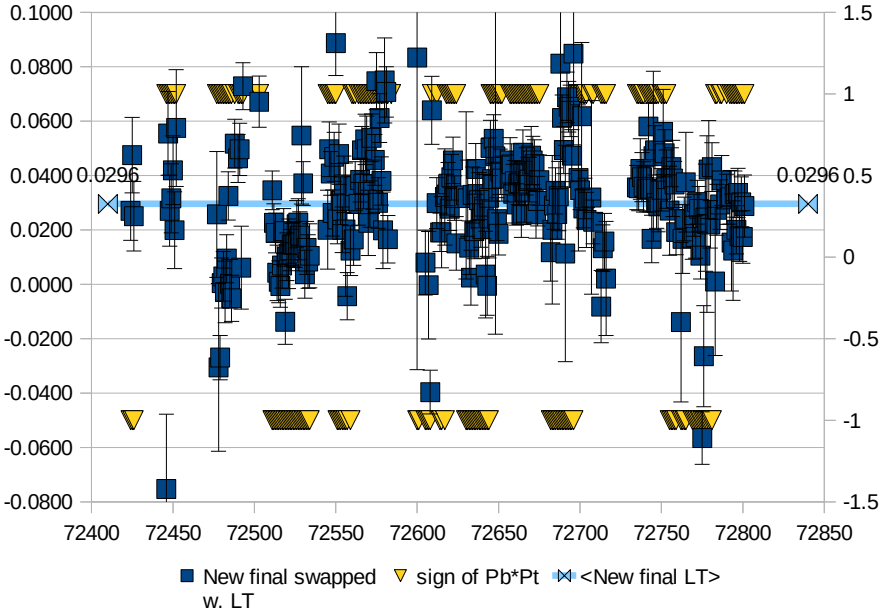
No LT or A_false, charge norm, swap



LT with 0.985, no A_false, charge norm, swap



LT with 0.985238 (Hoyoung), no A_false, charge norm, swap



LT 0.985717 (C optimum), no A_false, charge norm, swap