

Таблица ПВАИ.К.

Obsolet, Special, Actual

1	2	3	4	5	6	7	8	9	10 Статус
# дата	sys	Run/Prod/period	M3 ; t'	Pub http://bison.ihep.su/~kachaev/history/	PWA Label; Config; Input	# MCused	# MC produced	прим.	
01 2016. 07.05	3pi	44-10	0.5— 2.6 0-30- 150- 300- 800	2016.07.04_pwa_r44_p10_3pi/	p3pi_v05; --; ../in_28gev/inthl_7_v05.txt	r44_p10_BEC-0.9.0.2/; parametric beam; proton; 3exp	?	устарел; не актуален	Obsolet
02 2016. 07.05	pi-2pi0	44-10	0.5— 2.6 0-30- 150- 300- 800 [0- 0.8] 4 range s	2016.07.05_r44_p10_2pi0 /	pim2pi0_05r_{a-d}; config_r44_p10_2pi0_a.sh; ../in_2pi0/in_pim2pi0_05.txt	#39 & 40	r44_p10_2pi0_mcwr; beam parametric proton	устарели RD и MC	Obsolet
03 --									
04 2017. 02.02	pi-2pi0	45-12	0.5— 2.6 [0- 0.8] 4 range s	2017.02.02_r45_p12_2pi0_r44_mc/	r45_p12_2pi0_r44_mc_{a-d}; r45_p12_2pi0_r44_mc.sh; ../in_2pi0/in_pim2pi0_05.txt	# 48	# 68	R45 по MCR44	Special
05	3pi	44-13	0.5—	2017.04.26_pwa_r44_p13	r44_p13_3pi;	#60	#62	cuts: Be/Al V_XY;	Obs

2017.04.24			2.6 [0-0.8] 4 ranges	_3pi/	config_r44_p13_3pi.sh; ./in_28gev/inthl_7_v05.txt		r44_p13_3pi_mcwr_v2; tree_run44_prod13_beam_vz_N EWTARGET_v2.root; proton	K1-2 fiduc.; corr: beam; S0/S1	olet
06 2017.05.12 (исправлено 2017.06.30)	3pi	50-13 Pb	0.5—2.6 [0-0.8] 4 ranges	2017.05.12_pwa_r50_p13_Pb_3pi_mc_r44_p13/	r50_p13_Pb_3pi_mc_r44_p13; config_r50_p13_Pb_3pi_mc_r44_p13.sh; ./in_28gev/inthl_7_v05_Pb.txt	#60 r44_p13_3pi_phsp_BEC-0.9-0.3_leveling_pi0; tree_run44_prod11_beam_vz_NEWTARGET_v2.root; proton; 3exp [0--0.8]	#72	1-й- на Pb !	Actual
07 2017.07.05	3pi	44-13	0.5—2.6 0-10-30-80-200-400-1000	2017.07.05_pwa_r44_p13_3pi_6t/	r44_p13_3pi_6t; config_r44_p13_3pi.sh ./in_28gev/inthl_7_v05.txt	#60		New t-ranges; cuts: Be/Al V_XY; K1-2 fiduc.; corr: beam; S0/S1	Obsolet
08 2017.08.23	3pi	44-13	0.5—2.6 0-30-150-300-800	2017.08.23_pwa_r44_p13_3pi_v3_4t_rl/	r44_p13_3pi_i_v3_4t_rl; config_r44_p13_3pi_v3.sh; in_28gev/inthl_7_v05.txt	#60		рефер. релятив. соглас. cuts ; oldt 4 диапазон	Special
09 2017.08.24	3pi	44-13	0.5 – 2.6 0-30-150-300-800	2017.08.24_pwa_r44_p13_3pi_v3_4t_nr/	r44_p13_3pi_i_v3_4t_nr; config_r44_p13_3pi_v3.sh; inthl_7_v05_nr.txt	#60		как 8, нонерелятив.	Special
10 2017.08.29	3pi	44-13	0.5 – 2.6 0-6-15-33-	2017.08.29_pwa_r44_p13_3pi_v3_8t_nr	r44_p13_3pi_i_v3_8t_nr; config_r44_p13_3pi_v3.sh; inthl_7_v05_nr.txt	#60		как 9 (нерелят.), но 8 t – диапазон.	Special

			60-90-200-350-1000						
11 2017. 08.29	3pi	44-13	0.5 – 2.6 0-6-15-33-60-90-200-350-1000	2017.08.29_pwa_r44_p13_3pi_v3_8t_rl	r44_p13_3pi_i_v3_8t_rl; config_r44_p13_3pi_v3.sh; inthl_7_v05.txt	#60		как 8 (релят.), но 8 t- диапазон.	Obs olet
12 2017. 09.08	3pi	44-13	0.5 – 2.6 0-15-33-60-90-200-1000 (e,f,g, h,i,j)	2017.09.08_pwa_r44_p13_3pi_v3_6t_nr	r44_p13_3pi_v3_6t_nr config_r44_p13_3pi_v3.sh; inthl_7_v05_nr.txt	#60		согласов. cuts, нерелят., 6 t – диапаз.	Obs olet
13 2017. 09.12	pi2 pi0	44-13	0.5 – 2.6 (??) 0-15-33-60-90-200-1000 (e,f,g, h,i,j)	2017.09.12_pwa_r44_p13_2pi0_6t_nr	r44_p13_2pi0_6t_nr ; config_r44_p13_2pi0.sh; in_pim2pi0_05_nr.txt	#66	#73 (Be part1) r50_p13_1_2pi0_Be_1_mcwr tree_run50_prod13_1_Be_17_21 _beam_vz_NEWTARGET.root #74 (Be part2)	соглас. cuts; нерелят.; ошибка аксепт. при M>2.3 ??	Obs olet
14 2017. 09.24	3pi	44-13	0.5 – 2.6 0-15-	2017.09.24_pwa_r44_p13_3pi_v3_2_6t_nr	r44_p13_3pi_v3_2_6t_nr config_r44_p13_3pi	#60	# 71 (Be part1) r50_p13_1_3pi_Be_1_mcwr tree_run50_prod13_1_Be_17_21	рефер. согл. cuts, nr, 6t, старт 2+P1+ f2	Spe cial

			33- 60- 90- 200- 1000 (e-j)		_v3.sh in_28gev/in_3pi_h2 017.txt		_beam_vz_NEWTARGET.root # ?? (Be part2) r50_p13_1_3pi_Be_2_mcwr tree_run50_prod13_1_Be_21_28 _beam_vz_NEWTARGET.root	1.40->1.18	
15 2017. 09.24	pi- 2pi 0	44 -13	0.5 – 2.6 0-15- 33- 60- 90- 200- 1000 (e-j)	2017.09.24_pwa_r44_p13 _2pi0_2_6t_nr	r44_p13_2pi0_2_6t_ nr config_r44_p13_2pi 0.sh in_pim2pi0_h2017.t xt	#66		рефер. согл. cuts, nr, 6t, старт 2+P1+ f2 1.40->1.18	Spe cial
16. 2017. 11.07	3pi	44 -13	0.5 – 2.6 0-15- 33- 60- 90- 200- 1000 (e-j)	2017.11.07_pwa_r44_p13 _3pi_v4_6t_nr_ch28	r44_p13_3pi_v4_6t_ nr config_r44_p13_3pi _v4.sh in_3pi_h2017.txt	#60		w.ID mode 0; alpha=4; 3 hup; остальное – как 14	Spe cial
17. 2018. 01.26	3pi	44 - 13	0.5 – 2.6 0-15- 33- 60- 90- 200- 1000 (e-j)	2018.01.26_pwa_r44_p13 _3pi_v5_nr_t	r44_p13_3pi_v5_nr_ t config_r44_p13_3pi _v3.sh in_28gev/in_3pi_h2 017_t.txt	#60		как #14, но *t^m в ампл.; нерелят.как #9; data как #8	Spe cial
18. 2018. 02.14	pi2 pi0	44 - 13	0.5 – 2.6 0-15- 33- 60- 90- 200-	2018.02.14_pwa_r44_p13 _2pi0_6t_nr_t	r44_p13_2pi0_6t_nr_ t config_r44_p13_2pi 0.sh in_pim2pi0_h2017_t .txt	#66		как #15, но t^m в ампл.; нерелят.как #9; data как #8	Spe cial

			1000 (e-j)						
19. 2018. 05.03	3pi	44+4 5 p14	0.5 – 2.6 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2018.05.03_pwa_r44_45_ p14_3pi	r44_45_p14_3pi config_r44_45_p14_ 3pi_r44_mc.sh in_3pi_m2018.txt	#94		nr 3+F0+ eps, 2-S1- f2 with bug, superseeded w.#22	Obs olet
20. 2018. 05.10	pi 2pi 0	44+4 5 p14	0.5 – 2.6 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2018.05.04_pwa_r44_45_ p14_2pi0	r44_45_p14_2pi0 config_r44_45_p14_ 2pi0_r44_mc.sh in_pim2pi0_m2018.t xt	#95		nr 3+F0+ eps, 2-S1- f2 for MESON2018	Obs olet
# *** PROB LEM with unse t ISW(18), DO NOT USE ***									
21. 2018. 05.11	pi 2pi 0	44+4 5 p14	0.5 – 2.6 0-15- 33- 60- 90-	2018.05.10_pwa_r4 4_45_p14_2pi0_2	r44_45_p14_2pi0_2 config_r44_45_p14_ 2pi0_r44_mc.sh in_pim2pi0_m2018.t xt	#95		nr 3+F0+ eps, 2-S1- f2 with bug, superseeded w. #24	Obs olet

			200-1000 (e-j) 0-33,90-1000 (u,v)						
22. 2018. 05.26	3pi	r44+r 45 p14	0.5 – 2.6 0-15-33-60-90-200-1000 (e-j) 0-33,90-1000 (u,v)	2018.05.26_pwa_r44_45_p14_3pi_2	r44_45_p14_3pi_2 config_r44_45_p14_3pi_r44_mc_v2.sh in_3pi_m2018.txt	#94		nr 3+F0+ eps, 2-S1- f2 for MESON2018 , superseeds #19: bugfix for MC reco_status. Drop 4 mrad cut	Spe cial
23. 2018. 05.26	3pi	r44+r 45 p14	0.5 – 2.6 0-15-33-60-90-200-1000 (e-j) 0-33,90-1000 (u,v)	2018.05.26_pwa_r44_45_p14_3pi_3	r44_45_p14_3pi_3 config_r44_45_p14_3pi_r44_mc_v2.sh in_3pi_m2018p.txt	#94		Like #22 but waves set/matrix changed (i.e. 3+ split), see input file	Spe cial
24 2018. 05.26	pi- 2pi 0	r44+r 45 p14	0.5 – 2.6 0-15-33-	2018.05.26_pwa_r44_45_p14_2pi0_3	r44_45_p14_2pi0_3 config_r44_45_p14_2pi0_r44_mc_v2.sh ../in_2pi0/in_pim2pi	#95 /MC_OFF_DSTREAD/pim pi0pi0/r44_p14_BEC- 1.1 D.R.phase space 200		for MESON2018 , superseeds #21: bugfix for MC reco_status.	Spe cial

			60-90-200-1000 (e-j) 0-33,90-1000 (u,v)		0_m2018.txt	m/rec/ r44_p14_BEC-1.1_D.R.phase_space_10m_big_mass/rec			
25 2018. 05.28	pi- 2pi 0	r44+r 45 p14	0.5 – 2.6 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2018.05.28_pwa_r44_45_ p14_2pi0_4	r44_45_p14_2pi0_4 config_r44_45_p14_ 2pi0_r44_mc_v2.sh ../in_2pi0/in_pim2pi 0_m2018p.txt	#95		Like #24 but waves set/matrix changed (i.e. 3+ split), see input file	Spe cial
26 2018. 07.19	ph ys sa mp le 30 0k K p i as 3pi		“0.5 – 2.6” w. Mpi assign ment; 20 MeV bin 1 t' interval 0- 33 u;	2018.07.20_r44_p14_kkpi _3pi_300t	r44_p14_kkpi_3pi_3 00t config_r44_p14_KK pi_as_3pi_300t.sh ../in_28gev/in_3pi_ m2018p.txt	#94		input file from #23 PWA_DST /MC_OFF_DSTR EAD/kkpi/r44_p14 -2_BEC-1.2- 0.1_kkpi_predicts- 1.32- 300_fix_rec/rec	Obs olet
27 2018.	ph ys		“0.5 –	2018.07.24_r44_p14_kkpi _3pi_5m	r44_p14_kkpi_3pi_5 m	#114 (input), 94 (acceptance)		input file from #23 PWA_DST	Act ual

07.24	sample 5m Kpi as 3pi		2.6" w. Mpi assignment; 20 MeV bin 1 t' interval 0-33 u;		config_r44_p14_KKpi_as_3pi_5m.sh in_3pi_m2018p.txt			/MC_OFF_DSTR EAD/kkpi/r44_p14-2_BEC-1.2-0.1_kkpi_predicts-1.32-300_fix_rec/rec	
28 2018. 10.14	3pi	r44+r45 p14	0.5 – 3.0 0-15-33-60-90-200-1000 (e-j) 0-33,90-1000 (u,v)	2018.10.14_pwa_r44_45_p14_3pi_5	r44_45_p14_3pi_5 config_r44_45_p14_3pi_r44_mc_v3.sh ../in_28gev/in_3pi_m2018.txt	#103		6t nr, New MC,HighMass, Input as #22 -- 3+ wo. split	Special
29 2018. 11.14	3pi	r44+r45 p14	0.5 – 3.0 0-15-33-60-90-200-1000 (e-j) 0-33,90-1000 (u,v)	2018.11.14_pwa_r44_45_p14_3pi_6	r44_45_p14_3pi_6 config_r44_45_p14_3pi_r44_mc_v3.sh ../in_28gev/in_3pi_m2018p.txt	#103		6t nr, New MC,HighMass, Input as #23 -- 3+ w.split	Special

30. 2018. 11.20	pi2 pi0	r44+r 45 p14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2018.11.20_pwa_r44_45_ p14_2pi0_6	r44_45_p14_2pi0_6 config_r44_45_p14_ 2pi0_r44_mc_v3.sh ../in_2pi0/in_pim2pi 0_m2018p.txt	# 102 & 111 ?? N.B. разные деревья пучка !		6t nr New MC HighMass, 3+ w. split. # Add 2-P0+ rho3(1690) from 1.50; start 3+P0+ f2 1.40, 3+S0+ rho3 1.50	Spe cial
31. 2019. 01.17	3pi	r44+r 45 p14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2019.01.17_pwa_r44_45_ p14_3pi_7	r44_45_p14_3pi_7 config_r44_45_p14_ 3pi.sh in_3pi_m2018p.txt	#103&119		6t nr, HighMass, Input as #29(=23), 1-st Correctly Combided	Spe cial
32 2019. 01.29	3pi	r47 P14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000	2019.01.29_pwa_r47_p14 _3pi	r47_p14_3pi config_r47_p14_3pi. sh ../in_28gev/in_3pi_ m2018p.txt	#120, 121		1-st R47, 2 periods, wrong MC, wrong BK pos.	Spe cial

			(u,v)						
33	pi+ pi- pi0								
34 2019. 02.05	3pi	r48 P14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2019.02.05_pwa_r48_p14_3pi	r48_p14_3pi config_r48_p14_3pi. sh ../in_28gev/in_3pi_ m2018p.txt	#122, 123		1-st R48, 2 periods, wrong MC, wrong BK pos.	Obs olet e
35 2019. 02.16	3pi	r47+ 48 P14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2019.02.16_pwa_r47_48_p14_3pi	r47_48_p14_3pi config_r47_48_p14_3pi.sh ../in_28gev/in_3pi_ m2018p.txt	#120 – 123		1-st combined R47+48 Wrong MC, wrong BK pos. To be redone	Spe cial
36 2019. 02.22	3pi	r48 p14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000 (e-j) 0-	2019.02.22_pwa_r48_p14_3pi_2	r48_p14_3pi_2 config_r48_p14_3pi_v2.sh in_3pi_m2018p.txt	#123, 126		R48, 2 periods, wrong BK pos. (as #33 but MC corrected)	Spe cial

			33,90 -1000 (u,v)						
37	pi+ pi- pi0								
38 2019. 03.06	3pi	R44 —48 P14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2019.03.06_pwa_r44578_ p14_3pi	r44578_p14_3pi config_r44578_p14_ 3pi.sh ../in_28gev/in_3pi_ m2018p.txt	#103,119,121,127,123,126	134 - 139 phys.samples Run44- 48 (w/woPC05)	1-st full combined, 130e6 RD, 577e6 MC BK pos. correct. DK2=80	Act ual
39 2019. 03.19	pi2 pi0	R47 P14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2019.03.19_pwa_r47_p14 _2pi0	r47_p14_2pi0 config_r47_p14_2pi 0.sh ../in_2pi0/in_pim2pi 0_m2018p.txt	#125, 128		1st R47, 2 periods 3+ w. split. Add 2- P0+ rho3(1690) from 1.50; start 3+P0+ f2 1.40, 3+S0+ rho3 1.50 for MC e_gamma *= 0.99 (-1%) Difference 0.5% in e_gamma scale for MC 125 and 128; ignored.	Spe cial
40 2019. 04.05	pi2 pi0	R48 P14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000	2019.04.05_pwa_r48_p14 _2pi0	r48_p14_2pi0 config_r48_p14_2pi 0.sh ../in_2pi0/in_pim2pi 0_m2018p.txt	#129,133		1st R48, 2 periods 3+ w. split. Add 2- P0+ rho3(1690) from 1.50; start 3+P0+ f2 1.40, 3+S0+ rho3 1.50	Spe cial

			(e-j) 0- 33,90 -1000 (u,v)						
41 2019. 04.14	pi2 pi0	R44 —48 P14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2019.04.14_pwa_r44578_ p14_2pi0	r44578_p14_pi2pi0 config_r44578_p14_ 2pi0.sh ../in_2pi0/in_pim2pi 0_m2018p.txt	#102,111 (устаревшие R44), 124, 125,128,129,133	141 - 146 phys.samples Run44- 48 (w/woPC05)	1-st full combined, 52e6 RD, 463e6 MC 3+ w. split. Add 2- P0+ rho3(1690) from 1.50; start 3+P0+ f2 1.40, 3+S0+ rho3 1.50	Act ual
42 2019. 04.20	ph ys. sa mp le 3pi De ck	R44 P14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2019.04.20_pwa_deck_r4 4_p14_3pi	deck_r44_p14_3pi config ? ../in_28gev/in_3pi_ m2018p.txt	#140 (input); 103,119 (acceptance)		1-st Deck projection to PWA, 395e3 ev.selected.	Obs olet
43 2019. 05.23	pi2 pi0	R44 P14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000	2019.05.22_pwa_r44_p14 _2pi0	r44_p14_2pi0 config_r44_p14_2pi 0.sh in_pim2pi0_m2018p .txt	#102,111		Missed earlier, to compare w.#44	Spe cial

			(e-j) 0- 33,90 -1000 (u,v)						
44 2019. 05.22	pi2 pi0 ID	R44 P14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2019.05.22_pwa_r44_p14 _2pi0_id	r44_p14_2pi0_id config_r44_p14_2pi 0_id.sh in_pim2pi0_m2018p .txt	#102,111		1-st w.ID, analit. model, alpha=4 with M.X. june 2019 CHER28 parameters	Act ual
45 2019. 05.27	ph ys. sa mp le 3pi De ck	MC R44 P14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2019.05.27_pwa_deck_r4 4_p14_3pi_10m	deck_r44_p14_3pi_ 10m config_deck_r44_p1 4_3pi_10m.sh ../in_28gev/in_3pi_ m2018p.txt	#147 (input);103,119 (acceptance)		Deck projection to PWA, 4.5*10^6 ev.selected. Replaces #42	Obs olet
46 2019. 07.03	K+ K- pi0	R44 P14	1.2 – 2.6 0. – 1.	2019.07.03_pwa_r44_p14 _KKpi0_4/	r44_p14_kkpi0_4 config_r44_p14_KK pi0.sh ../in_KKpi0_04.txt	#104 (неправ. наклон exp(-t))	#169	1-й реалист. KKpi0 CH28 param from M.X. june 2019	Obs olet e
47 2019.	K+ K-	R44 -48	1.2 – 2.6	2019.07.18_pwa_r44578_ p14_KKpi0	pwa_r44578_p14_K Kpi0	#168, 170--172		11 волн eta=+1 ID(4hyp, alpha=2)	Obs olet

07.18	pi0	P14	0. – 0.2- 1. (w,j)		config ? ../in_KKpi0_04.txt			CH28 param from DST	e
48 2019. 10.16	K+ K- pi0	R44 -48 P14	1.2 – 2.6 0. – 1.	2019.10.16_pwa_r44578_ p14_kkpi0_11	pwa_r44578_p14_k kpi0_11 config ? ../in_KKpi0_11.txt	#168, 170--172	#184	38 волн eta=+-1, ID(4hyp, alpha=2) CH28 param tuned	Obs olet
49 2019. 11.21	ph ys. sa mp le 3pi De ck	MC R44 P14	0.5 – 3.0 0-15- 33- 60- 90- 200- 1000 (e-j) 0- 33,90 -1000 (u,v)	2019.11.21_pwa_deck_r4 4_p14_3pi_lj	pwa_deck_r44_p14_ 3pi_lj config ? ../in_28gev/in_3pi_ m2018p.txt	#183 (input);103,119 (acceptance)	nr	Deck projection to PWA, 6.4*10^6 ev.selected. Replaces #45	Act ual
50 2019. 12.30	K+ K- pi0	R44 -48 P14	1.2 – 2.6 0. – 1.	2019.12.30_pwa_r44578_ p14_kkpi0_12	pwa_r44578_p14_k kpi0_12 config ? ../in_KKpi0_12.txt	#168, 170--172	none	As #48 but kappa is singled out	Obs olet e
51 2020. 01.23	K+ K- pi0	R44 -48 P14	1.2 – 2.6 0. – 1.	2020.01.23_pwa_r44578_ p14_kkpi0_15	pwa_r44578_p14_k kpi0_15 config ? ../in_KKpi0_15.txt	#168, 170--172		As #53 but M3<2.6 & one t- range	Spe cial
52 2020. 02.04	K+ K- pi0	R44 -48 P14	1.2 – 2.6 0. -0.2 (w), 0.2-1. (j)	2020.02.04_pwa_r44578_ p14_kkpi0_15b	pwa_r44578_p14_k kpi0_15b config ? ../in_KKpi0_15.txt	#168, 170--172		As #51 but 2 t- ranges	obs olet e
53 2020.	K+ K-	R44 -48	1.2 – 3.0	2020.02.18_pwa_r44578_ p14_kkpi0_16b	pwa_r44578_p14_k kpi0_16b	#168, 170--172	#202	ID: 4hyp, alpha=2 w. CH28 tuned	Spe cial

02.18	pi0	P14	0. -0.2 -1. (w _j)		config ? ../in_KKpi0_15.txt			Waves: 31 eta= +, 12 eta= -; kappa singled out	
54 2020. 03.04	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0. -0.2 -1. (w _j)	2020.03.04_pwa_r44578_ p14_kkpi0_17b	pwa_r44578_p14_k kpi0_17b config ? ../in_KKpi0_15.txt	#168, 170--172		As #53 but ID alpha=4	Spe cial
55 2020. 03.12	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0. -0.2 -1. (w _j)	2020.03.12_pwa_r44 578_p14_kkpi0_18b	pwa_r44578_p14_ _kkpi0_18b config ? ../in_KKpi0_15.txt	#168, 170--172		As #53 but ID alpha=1.5	Spe cial
56 2020. 07.02	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0. -0.2 -1. (w _j)	2020.07.02_pwa_r44578_ p14_kkpi0_20b	pwa_r44578_p14_k kpi0_20b config ? ../in_KKpi0_20.txt	#168, 170--172		Similar to #53 BUT 0- kappas and 1+ kappas “unpaired” (Cnorm separated)	Obs olet
57 2020. 07.15	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0. -0.2 -1. (w _j)	2020.07.15_pwa_r44578_ p14_kkpi0_21b	pwa_r44578_p14_k kpi0_21b config ? ../in_KKpi0_21.txt	#168, 170--172		1-st w.ShTrCut ID: 4hyp, alpha=2 w. CH28 tuned Waves: 31 eta= +, 12 eta= -; kappa singled out, 0- kappas and 1+ kappas “unpaired” (Cnorm separated).	Obs olet
58 2020. 08.11	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0. -0.2 -1. (w _j)	2020.08.11_pwa_r44578_ p14_kkpi0_22b_bug	pwa_r44578_p14_k kpi0_22b_bug ../in_KKpi0_22_bug .txt	#168, 170--172		WRONG waves coupling ! Radically lower interference in 0- waves...	Obs olet
59 2020. 08.18	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0.	2020.08.18_pwa_r44578_ p14_kkpi0_22b	pwa_r44578_p14_k kpi0_22b config ?	#168, 170—172		ShTrCut ID: 4hyp, alpha=2 w. CH28 tuned	Spe cial

			-0.2 -1. (w,j)		in_KKpi0_22.txt			Waves: 31 eta= +, 12 eta= -; kappa singled out, 0- kappas and 1+ kappas “unpaired” (Cnorm separated). Waves thres. tuned	
60 2020. 10.14	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0. -0.2 -1. (w,j)	2020.10.14_pwa_r44578_ p14_kkpi0_23b	pwa_r44578_p14_k kpi0_23b config ? in_KKpi0_23.txt	#168, 170—172		Wrongly fixed 1+S0+K*I=0 OLD MC As #59 but LSPEC=9 (modified Aston parameters), no K0(1430). Radically lower interference in 0- waves. Waves: 29 eta= +, 12 eta= -; kappa singled out, 0- kappas and 1+ kappas “unpaired” (Cnorm separated). Waves thres. tuned	Spe cial
61 2020. 10.28	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0. -0.2 -1. (w,j)	2020.10.28_pwa_r44578_ p14_kkpi0_24b	pwa_r44578_p14_k kpi0_24b config ? in_KKpi0_24.txt	#168, 170—172		Wrongly fixed 1+S0+K*I=0 OLD MC ! ShTrCut ID: 4hyp, alpha=2 w. CH28 tuned; LSPEC=26 original Aston's params. Waves: 29 eta= +, 12 eta= -; kappa singled out, 0- kappas and 1+ kappas “unpaired” (Cnorm separated).	Obs olet

								Waves thres. tuned	
62 2020. 11.05	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0. -0.2 -1. (w _j)	2020.11.05_meta_KKpi0_25	inmeta_KKpi0_25.txt – 29.txt	#168, 170—172		Meta-fit: free Aston's parameters	special
63 2021. 01.13	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0. -0.2 -1. (w _j)	2021.01.13_pwa_r44578_p14_kkpi0_30b	pwa_r44578_p14_kkpi0_30b config? in_KKpi0_30.txt	#168, 170—172		Wrongly fixed 1+S0+K*I=0 as #61 but wo ShTrCut, no target guard cut	Obsolete
64 2021. 01.13	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0. -0.2 -1. (w _j)	2021.01.13_pwa_r44578_p14_kkpi0_31b	pwa_r44578_p14_kkpi0_31b config? in_KKpi0_31.txt	#168, 170—172		Wrongly fixed 1+S0+K*I=0 As #63 but no target guard activity	Special
65 2021. 01.15	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0. -0.2 -1. (w _j)	2021.01.15_pwa_r44578_p14_kkpi0_32b	pwa_r44578_p14_kkpi0_32b config? in_KKpi0_32.txt	#168, 170—172		Wrongly fixed 1+S0+K*I=0 As #63 but with tguard activity	Special
66 2021. 02.15	K+ K- pi0	R47, 48 MW G only, P14	1.2 – 3.0 0. -0.2 -1. (w _j)	2021.02.15_pwa_r478_p14_kkpi0_32b	r478_p14_kkpi0_32b config_r478_p14_KKpi0_09.sh in_KKpi0_30.txt	#168, 170—172		Wrongly fixed 1+S0+K*I=0	Special
67 2021. 03.02	K+ K- pi0	R44 -48 P16	1.2 – 3.0 0. -0.2 -1. (w _j)	2021.03.02_pwa_r44578_p16_kkpi0_35b	pwa_r44578_p16_kkpi0_35b config? in_KKpi0_30.txt	#253 – 256 aid		Wrongly fixed 1+S0+K*I=0 Faulty MC-ID procedure As #63 1-st RD P16 analyt-ID, new MC 2-analyt ID	Obsolete
68	K+	R44	1.2 –	2021.03.11_pwa_r44578	pwa_r44578_p14_k	#168, 170—172		As #63 but	Spe

2021.03.11	K- pi0	-48 P14	3.0 0. -0.2 -1. (w _j)	p14_kkpi0_36b	kpi0_36b config ? in_KKpi0_36.txt			1+S0+K*I=0 corrected old MC wo ShTrCut, no target guard cut ID: 4hyp, alpha=2 w. CH28 tuned; LSPEC=26 original Aston's params. Waves: 29 eta= +, 12 eta= -; kappa singled out, 0- kappas and 1+ kappas "unpaired" (Cnorm separated). Waves thres. tuned	cial
69 2021.03.15	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0. -0.2 -1. (w _j)	2021.03.15_pwa_r44578_ p14_kkpi0_37b	pwa_r44578_p14_k kpi0_37b config_r44578_p14_ KKpi0_12.sh in_KKpi0_36.txt	#215 – 218 aid		As #68 but intermedium MC w. 2-analyt-ID RD w. analyt-ID. Results almost identical to #68	Spe cial
70	K+ K- pi0	R44 -48 P14	1.2 – 3.0 0. -0.2 -1. (w _j)	2021.03.23_pwa_r44578_ p14_kkpi0_38b	pwa_r44578_p14_k kpi0_38b config_r44578_p14_ KKpi0_12_gid.sh in_KKpi0_36.txt	#215--218 gid		As #69 but first MC w. 2-geant –ID. RD w. analyt-ID Results almost identical to #69	Spe cial
71 2021.04.21	K+ K- pi0	R44 -48 P16	1.2 – 3.0 0. -0.2 -1. (w _j)	2021.04.21_pwa_r44578_ p16_kkpi0_39b	pwa_r44578_p14_k kpi0_39b config_r44578_p16_ KKpi0_11b.sh in_KKpi0_30.txt	#253—256 aid by M.Kh. elog:201		1-st P16 w. correct MC-ID; wrongly fixed 1+S0+K*I=0 As #63: wo ShTrCut, no target guard cut ID: 4hyp, alpha=2 w. CH28 tuned; LSPEC=26	Act ual

								original Aston's params. Waves: 29 eta= +, 12 eta= -; kappa singled out, 0-kappas and 1+ kappas "unpaired" (Cnorm separated). Waves thres. tuned	
72 2021. 05.25	K+ K- pi0	R44 -48 P16	1.2 – 3.0 0. -0.2 -1. (w _j)	2021.05.25_pwa_r44578_p16_kkpi0_40b	pwa_r44578_p16_kkpi0_40b config_r44578_p16_KKpi0_11_v2.sh in_KKpi0_30.txt	253-256 aid by I.K. elog:228		As #71 but aid by I.K.	special
73 2021. 07.06	K+ K- pi0	R44 -48 P16	1.2 – 3.0 0. -0.2 -1. (w _j)	2021.07.06_pwa_r44578_p16_kkpi0_43b	pwa_r44578_p16_kkpi0_43b config_r44578_p16_KKpi0_11_v2.sh in_KKpi0_37.txt	253-256 aid by I.K. elog:228		Reduced wave set:24 eta=+, 10 eta=-; LSPEC=27 (kappa) + K0(1430) Error in 1--&1+ eta=-1	obsolete
74 2021. 07.06	K+ K- pi0	R44 -48 P16	1.2 – 3.0 0. -0.2 -1. (w _j)	2021.07.06_pwa_r44578_p16_kkpi0_44b	pwa_r44578_p16_kkpi0_44b config_r44578_p16_KKpi0_11_v2.sh in_KKpi0_37.txt	253-256 aid by I.K. elog:228		As #73 BUT 20 MeV bin	obsolete
75 2021. 08.16	K+ K- pi0	R44 -48 P16	1.2 – 3.0 0. -0.2 -1. (w _j)	2021.08.16_pwa_r44578_p16_kkpi0_45b	pwa_r44578_p16_kkpi0_45b config_r44578_p16_KKpi0_11_v2.sh in_KKpi0_37.txt	253-256 aid by I.K. elog:228		20 MeV bin Reduced wave set:24 eta=+, 10 eta=-; LSPEC=27 (kappa) + K0(1430) AID by I.K. 4hyp, alpha=2 Otherwise as #71:	actual

									wo ShTrCut, no target guard cut	
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