

Таблица ПВА И.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	# MC used	# 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	/ MC_OFF_DSTREA D/3pi/r44_p10_BEC- 0.9.0.2/ ; parametric; 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 ranges	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 ranges	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 MC R44 почти новый phys.s.	Special
05 2017.04.24	3pi	44-13	0.5—2.6 [0-0.8] 4 ranges	2017.04.26_pwa_r44_p13_3pi/	r44_p13_3pi; config_r44_p13_3pi.sh ; ../in_28gev/inthl_7_v05.txt	#60	#62 r44_p13_3pi_mcwr_v2; tree_run44_prod13_beam_vz_NEWTARG ET_v2.root; proton	новейший phys.sample ; cuts: Be/Al V_XY; K1-2 fiduc.; corr: beam; S0/S1	Obsolet
06 2017.05.12	3pi	50-13 Pb	0.5—2.6 [0-0.8] 4 ranges	2017.05.12_pwa_r50_p13_Pb_3pi_mc_r44_p1	r50_p13_Pb_3pi_mc_r44_p13;	#60 r44_p13_3pi_phsp B	#72	1-й- на Pb !	Actual

(исправлено 2017.06.30)				3/	config_r50_p13_Pb_3pi_mc_r44_p13.sh; ../in_28gev/inthl_7_v05_Pb.txt	EC-0.9-0.3_leveling_pi0; tree_run44_prod11_beam_vz_NEWTARGET_v2.root; proton; 3exp [0--0.8]			
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	Obsolete
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 ; old t 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, но нерелятив.	Special
10 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_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
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.	Obsolete
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 – диапазон.	Obsolete
13 2017.09.12	pi2pi0	44-13	0.5 – 2.6 (??) 0-15-33-60-90-200-1000	2017.09.12_pwa_r44_p13_2pi0_6t_nr	r44_p13_2pi0_6t_nr; config_r44_p13_2pi0.sh;	#66	#73 (Be part1) r50_p13_1_2pi0_Be_1_mcwr	соглас. cuts; нерелят.; ошибка аксепт. при	Obsolete

			(e,f,g,h,i,j)		in_pim2pi0_05_nr.txt		tree_run50_prod13_1 _Be_17_21_beam_vz _NEWTARGET.root	M>2.3 ??	
							#74 (Be part2)		
14 2017.09.24	3pi	44 -13	0.5 – 2.6 0-15-33-60-90- 200-1000 (e-j)	2017.09.24_pwa_r44_p 13_3pi_v3_2_6t_nr	r44_p13_3pi_v3_2_6t_ nr config_r44_p13_3pi_v 3.sh in_28gev/in_3pi_h201 7.txt	#60	# 71 (Be part1) r50_p13_1_3pi_Be_1 _mcwr tree_run50_prod13_1 _Be_17_21_beam_vz _NEWTARGET.root # ?? (Be part2) r50_p13_1_3pi_Be_2 _mcwr tree_run50_prod13_1 _Be_21_28_beam_vz _NEWTARGET.root	рефер. согл. cuts, nr, 6t, старт 2+P1+ f2 1.40- >1.18	Special
15 2017.09.24	pi-2pi0	44 -13	0.5 – 2.6 0-15-33-60-90- 200-1000 (e-j)	2017.09.24_pwa_r44_p 13_2pi0_2_6t_nr	r44_p13_2pi0_2_6t_nr config_r44_p13_2pi0.s h in_pim2pi0_h2017.txt	#66		рефер. согл. cuts, nr, 6t, старт 2+P1+ f2 1.40- >1.18	Special
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_p 13_3pi_v4_6t_nr_ch28	r44_p13_3pi_v4_6t_nr config_r44_p13_3pi_v 4.sh in_3pi_h2017.txt	#60		w.ID mode 0; alpha=4; 3 hур; остальное – как 14	Special
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_p 13_3pi_v5_nr_t	r44_p13_3pi_v5_nr_t config_r44_p13_3pi_v 3.sh in_28gev/in_3pi_h201 7_t.txt	#60		как #14, но *t^m в ампл.; нерелят. как #9; data как #8	Special
18. 2018.02.14	pi2pi0	44 - 13	0.5 – 2.6 0-15-33-60-90- 200-1000 (e-j)	2018.02.14_pwa_r44_p 13_2pi0_6t_nr_t	r44_p13_2pi0_6t_nr_t config_r44_p13_2pi0.s h in_pim2pi0_h2017_t.tx t	#66		как #15, но t^m в ампл.; нерелят. как #9; data как #8	Special

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_4 5_p14_3pi	r44_45_p14_3pi config_r44_45_p14_3p i_r44_mc.sh in_3pi_m2018.txt	#94		nr 3+F0+ eps, 2-S1- f2 with bug, superseded w.#22	Obsolete
20. 2018.05.10	pi 2pi0	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_4 5_p14_2pi0	r44_45_p14_2pi0 config_r44_45_p14_2p i0_r44_mc.sh in_pim2pi0_m2018.txt	#95		nr 3+F0+ eps, 2-S1- f2 for MESON2018	Obsolete
# *** PROBLEM with unset ISW(18), DO NOT USE ***									
21. 2018.05.11	pi 2pi0	44+4 5 p14	0.5 – 2.6 0-15-33-60-90- 200-1000 (e-j) 0-33,90-1000 (u,v)	2018.05.10_pwa_ r44_45_p14_2pi0 _2	r44_45_p14_2pi0_2 config_r44_45_p14_2p i0_r44_mc.sh in_pim2pi0_m2018.txt	#95		nr 3+F0+ eps, 2-S1- f2 with bug, superseded w. #24	Obsolete
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_4 5_p14_3pi_2	r44_45_p14_3pi_2 config_r44_45_p14_3p i_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	Special
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_4 5_p14_3pi_3	r44_45_p14_3pi_3 config_r44_45_p14_3p i_r44_mc_v2.sh in_3pi_m2018p.txt	#94		Like #22 but waves set/matrix changed (i.e. 3+ split), see input file	Special
24 2018.05.26	pi-2pi0	r44+r 45 p14	0.5 – 2.6 0-15-33-60-90- 200-1000 (e-j) 0-33,90-1000	2018.05.26_pwa_r44_4 5_p14_2pi0_3	r44_45_p14_2pi0_3 config_r44_45_p14_2p i0_r44_mc_v2.sh ../in_2pi0/in_pim2pi0_	#95 /MC_OFF_DSTREA D/pimpi0pi0/r44_p14 BEC-		for MESON2018 , superseeds #21: bugfix for MC reco_status.	Special

			(u,v)		m2018.txt	1.1 D.R.phase_space _200m/rec/; r44_p14_BEC- 1.1 D.R.phase_space 10m big_mass/rec			
25 2018.05.28	pi-2pi0	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_4 5_p14_2pi0_4	r44_45_p14_2pi0_4 config_r44_45_p14_2p i0_r44_mc_v2.sh ../in_2pi0/in_pim2pi0_ m2018p.txt	#95		Like #24 but waves set/matrix changed (i.e. 3+ split), see input file	Special
26 2018.07.19	phys sample 300k KKpi as 3pi		“0.5 – 2.6” w. Mpi assignment; 20 MeV bin 1 t' interval 0-33 u;	2018.07.20_r44_p14_k kpi_3pi_300t	r44_p14_kkpi_3pi_300 t config_r44_p14_KKpi _as_3pi_300t.sh ../in_28gev/in_3pi_m2 018p.txt	#94		input file from #23 PWA_DST /MC_OFF_DSTREA D/kkpi/r44_p14- 2_BEC-1.2- 0.1_kkpi_predicts- 1.32-300 fix_rec/rec	Obsolete
27 2018.07.24	phys sample 5m KKpi as 3pi		“0.5 – 2.6” w. Mpi assignment; 20 MeV bin 1 t' interval 0-33 u;	2018.07.24_r44_p14_k kpi_3pi_5m	r44_p14_kkpi_3pi_5m config_r44_p14_KKpi _as_3pi_5m.sh in_3pi_m2018p.txt	#114 (input), 94 (acceptance)		input file from #23 PWA_DST /MC_OFF_DSTREA D/kkpi/r44_p14- 2_BEC-1.2- 0.1_kkpi_predicts- 1.32-300 fix_rec/rec	Actual
28 2018.10.14	3pi	r44+r 45 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_4 5_p14_3pi_5	r44_45_p14_3pi_5 config_r44_45_p14_3p i_r44_mc_v3.sh ../in_28gev/in_3pi_m2 018.txt	#103		6t nr, New MC,HighMass, Input as #22 -- 3+ wo. split	Special
29 2018.11.14	3pi	r44+r 45 p14	0.5 – 3.0 0-15-33-60-90- 200-1000 (e-j) 0-33,90-1000 (u,v)	2018.11.14_pwa_r44_4 5_p14_3pi_6	r44_45_p14_3pi_6 config_r44_45_p14_3p i_r44_mc_v3.sh ../in_28gev/in_3pi_m2 018p.txt	#103		6t nr, New MC,HighMass, Input as #23 -- 3+ w.split	Special
30. 2018.11.20	pi2pi0	r44+r 45 p14	0.5 – 3.0 0-15-33-60-90- 200-1000 (e-j)	2018.11.20_pwa_r44_4 5_p14_2pi0_6	r44_45_p14_2pi0_6 config_r44_45_p14_2p i0_r44_mc_v3.sh	# 102 & 111 ?? N.B. разные деревья пучка !		6t nr New MC HighMAss, 3+ w. split. # Add 2-P0+	Special

			0-33,90-1000 (u,v)		../in_2pi0/in_pim2pi0_ m2018p.txt			rho3(1690) from 1.50; start 3+P0+ f2 1.40, 3+S0+ rho3 1.50	
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_4 5_p14_3pi_7	r44_45_p14_3pi_7 config_r44_45_p14_3p i.sh in_3pi_m2018p.txt	#103&119		6t nr, HighMass, Input as #29(=23), 1-st Correctly Combided	Special
32 2019.01.29	3pi	r47 P14	0.5 – 3.0 0-15-33-60-90- 200-1000 (e-j) 0-33,90-1000 (u,v)	2019.01.29_pwa_r47_p 14_3pi	r47_p14_3pi config_r47_p14_3pi.sh ../in_28gev/in_3pi_m2 018p.txt	#120, 121		1-st R47, 2 periods, wrong MC, wrong BK pos.	Special
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_p 14_3pi	r48_p14_3pi config_r48_p14_3pi.sh ../in_28gev/in_3pi_m2 018p.txt	#122, 123		1-st R48, 2 periods, wrong MC, wrong BK pos.	Obsolete
35 2019.02.16	3pi	r47+4 8 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_4 8_p14_3pi	r47_48_p14_3pi config_r47_48_p14_3p i.sh ../in_28gev/in_3pi_m2 018p.txt	#120 – 123		1-st combined R47+48 Wrong MC, wrong BK pos. To be redone	Special
36 2019.02.22	3pi	r48 p14	0.5 – 3.0 0-15-33-60-90- 200-1000 (e-j) 0-33,90-1000 (u,v)	2019.02.22_pwa_r48_p 14_3pi_2	r48_p14_3pi_2 config_r48_p14_3pi_v 2.sh in_3pi_m2018p.txt	#123, 126		R48, 2 periods, wrong BK pos. (as #33 but MC corrected)	Special
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	2019.03.06_pwa_r4457 8_p14_3pi	r44578_p14_3pi config_r44578_p14_3p i.sh ../in_28gev/in_3pi_m2	#103,119,121,127,12 3,126	134 - 139 phys.samples Run44- 48 (w/woPC05)	1-st full combined, 130e6 RD, 577e6 MC BK pos. correct. DK2=80	Actual

			(u,v)		018p.txt				
39 2019.03.19	pi2pi0	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_p 14_2pi0	r47_p14_2pi0 config_r47_p14_2pi0.s h ../in_2pi0/in_pim2pi0_ 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.	Special
40 2019.04.05	pi2pi0	R48 P14	0.5 – 3.0 0-15-33-60-90- 200-1000 (e-j) 0-33,90-1000 (u,v)	2019.04.05_pwa_r48_p 14_2pi0	r48_p14_2pi0 config_r48_p14_2pi0.s h ../in_2pi0/in_pim2pi0_ 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	Special
41 2019.04.14	pi2pi0	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_r4457 8_p14_2pi0	r44578_p14_pi2pi0 ? config ? ../in_2pi0/in_pim2pi0_ 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	Actual
42 2019.04.20	phys. sample 3pi Deck	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 _r44_p14_3pi	deck_r44_p14_3pi ? config ? ../in_28gev/in_3pi_m2 018p.txt	#140 (input); 103,119 (acceptance)		1-st Deck projection to PWA, 395e3 ev.selected. Standard waves ?	Actual
43 2019.05.22	pi2pi0	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_p 14_2pi0_id	r44_p14_2pi0_id? config ? in_pim2pi0_m2018p.tx t	#102,111		1-st w.ID, analit. model, alpha=4	Actual
44 2019.05.23	pi2pi0	R44 P14	0.5 – 3.0 0-15-33-60-90-	2019.05.22_pwa_r44_p 14_2pi0	r44_p14_2pi0 ? config ?	#102,111		Missed, to compare w.#43	Special

			200-1000 (e-j) 0-33,90-1000 (u,v)		in_pim2pi0_m2018p.tx t				
--	--	--	---	--	---------------------------	--	--	--	--