Pathways toward the full NPS WF fitting

hours to analyze one split

with one core

50_0a

Goal 1. replay a few kinematics fully as we can start the calibration as seen as possible.		5 sample	4 sample	4/5 samples
Goal 1: replay a few kinematics fully so we can start the calibration as soon as possible	36_2	64	273	4.3
 6 cores, 5 consecutive samples up as input 	50_2_pp	68	168	2.5
• ID2 IH2 dummy anaraification on	60_4_b	83	300	3.6
• LDZ, LHZ, uullilly, sparsification on	60_3_b	84	213	2.5
Which kinematics?	60_2 60_2 n	84	249	3.0
■ Wassim (04-23) https://balloweb.ilab.org/elogs/NPS-BC1a-Apalysis/123	50 2 p	92	198	2.2
- Wassiiii (04-23) <u>https://halloweb.jlab.org/elogs/NFS-NOTA-Analysis/125</u>	36_2pp	94	238	2.5
Show the longest reported duration in hours for one split	50_1	96	250	2.6
• Green is less than $144h = 48 h*3$ (assume gain of 3 with multi threading)	50_4	97	240	2.5
	36_2	98	273	2.8
 Willing to have a few runs fail to analyze if they go over the wall time 	36_3	104	209	2.0
	60_3_a	105	243	2.3
	50_4_a	111	427	2.3
Goal 2: Analyze long lead kinematics/runs	50_1p	118	309	2.6
 Optimize gain by adding cores in multithreading versus wait time 	60_3	123	276	2.2
• Optimize gain by adding cores in mutilimeading versus wait time	60_1	129	355	2.8
• Apply an energy (amplitude) threshold on the blocks (1 or 2x2 or 3x3),	50_0b	132	374	2.8
 Bottor pulso identification algorithm (to avoid the systematic fit in the coinc region) 	36_5	139	373	2.7
• Detter pulse identification algorithm (to avoid the systematic fit in the combregion)	50_3pp	149	273	1.8
 fitting only relevant pulses in the wf (?) 	36_5_p	160	281	1.8
 nre-select event for fitting 	25.3	167	455	2.7
pre-select event for fitting	36 1	100	í	
	36_4	182	426	2.3
Goal 3: Systematic studies of the fitting	25_4	198	483	2.4
obat 5. Systematic studies of the fitting	25_1	204	,	
 Analyze some kinematics with 4 consecutive samples up as input (eg effect of the 	50_0	210	519	2.5
Avs5 samples especially on asymmetric nion decays)	36_6	277	618	2.2
	50_0a	345	657	1.9

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