						EUDAQ	S	RS	Beam in	nformation	Lumi Tab	le position				Stack	position		1				
Date	Hour	Shifters/Logger	Info type	Additional comment	Run number	Events	Run number		Rate	Energy		Y_pos, [mm]	Conf	В0			Comment	FLAME settings					
6.03	00:00		Info	3.6 GEV BEAM																			
				Nigth run with FLAME only. Events in DAQ																			
0.00	00.00	1-1	Run	Higher thresholds in DSP: Pulse = 6 (LSB): FIR =	661	6770522			250	0.0	040.4	4077	Α				18/9b 18/ b - f d - b						
6.03	00:00	Jakub Moron	Info	40 [0.125 LSB] Dead chanels for planes 1, 2, 3>>	661	6770522	-		250	3.6	242.4	1677	Δ	1	2	3	With W before 1st sensor			Dead chanels			
		Jakub		Thresholds in DSP lowered to: Pulse = 3 (LSB).									_										
6.03	11:15		Run	FIR = 20 [0.125 LSB]	676	95294	-		460	3.6	242.4	1677	A	1	2	3	With W before 1st sensor		B0, Plane1	B1, Plane2	B2, Plane3		
6.03	11:17	Jakub	Run		677	103212	_		450	3.6	242.4	1677	Α	1	2	3	With W before 1st sensor		22, 71, 78, 100	8, 28, 42, 45, 85, 95, 118,	13, 47, 53, 63, 126		
			Info	5 GEV BEAM															, , , , .				
6.03				Telescope data is corrupted because 5th plane is														config default (Pulse = 3, FIR =					
6.03	11:23	Szymon	Run	dead	678	101018	-		200	5	242.4	1677	A	1	2	3	With W before 1st sensor	20)					
6.03	11:23	Szymon	Run	Telescope data is corrupted because 5th plane is dead	679	107178			200	5	242.4	1677	Α	1	2	3	With W before 1st sensor	config default (Pulse = 3, FIR = 20)		01101111	_ MAD		
				Telescope data is corrupted because 5th plane is									Δ					config default (Pulse = 3, FIR =	FLAME	CHANNS	_ (-1)+12		
6.03	11:23	Szymon	Run	dead Telescope data is corrupted because 5th plane is	680	116033	-		200	5	242.4	1677	_	1	2	3	With W before 1st sensor	20) config default (Pulse = 3, FIR =		U.F.			
6.03	11:23	Szymon	Run	dead	681	106194	-		200	5	242.4	1677	Α	1	2	3	With W before 1st sensor	20)		126	1		
6.03	11:23	Szymon	Run	Telescope data is corrupted because 5th plane is dead	682	100974			200	5	242.4	1677	Α	1	2	3	With W before 1st sensor	config default (Pulse = 3, FIR = 20)		\X   /	: 7		
				Eudaq relaunched with the telescope - to see the											_	_		,	1)		-/-		
6.03	12:15	Szymon	Info	correlation between DUT and telescope									A										
6.03	12.15	Szymon	Run	Telescope data is corrupted because 5th plane is dead	683	101000			200	5	242.4	1677	Α	1	2	3	With W before 1st sensor	config default (Pulse = 3, FIR = 20)		65 62	/		
				Shutter realigned with the external laser system.														,		W 63			
6.03	13:00	Szymon	SETUP	Lumi table moved down to change the position of															43				
6.03	13:30	0	SETUP	active layers in the stack to configuration B. Now															1				
6.03	13:50	Szymon	SETUP	layers 4, 5, 6 are equiped with readout.  Lumi table moved back to the nominal position							242.4	1677.3	В	4	5	6	With W before 1st sensor			Dead chanels			
	10.00	OLY.IIO.I	OL TO	Earli table moved back to the normal position							2-121	1011.0	В				THE TY BOILD TO COLLOW						
6.03			Info	Dead chanels for planes 4, 5, 6>>															B0, Plane4	B1, Plane5	B2, Plane6		
				Telescope realignment, 5th telescope plane is now alive. Second telescope sector placed at: X									В							1, 2, 3, 4, 28, 85, 95, 118,			
6.03	14:50	Szymon	SETUP	=175.8 , Y = 290.4 First run in configuration B (see FLAME									ь						22, 23, 71, 78	119, 124	53, 63, 73, 126		
6.03	15:53	Roma	Run	measurement plan)	696	101063	-		200	5	242.4	1677.3		4	5	6	With W before 1st sensor	Α.					
6.03	16:03	Roma	Run	tluNB err, run stopped - FireDAQ spotted the TLU issue	697	_			200	5	242.4	1677.3	В	4	5	6	A.						
													В										
6.03	16:06	Roma	Run		698	100683			200	5	242.4	1677.3	_	4	5	6	-"-	.*					
6.03	16:15	Roma	Run	.*-	699	101150	-		200	5	242.4	1677.3	В	4	5	6	."-						
6.03	16:23	Lapkin, Bohdan	Run	ALPIDE was crushed	700				200	5	242.4	1677.3	В	4	5	6	_"-	Α.					
6.03	10.23	Lapkiii, Bolidali	Ruli	ALFIDE Was clusiled	700	-			200	3	242.4	1077.3	В	*	5								
6.03	16:27	Lapkin, Bohdan	Run		701	101884	-		200	5	242.4	1677.3	_	4	5	6	.*.						
6.03	16:40	Lapkin, Bohdan	Run		705	100570			200	5	242.4	1677.3	В	4	5	6							
			Info	4 GEV BEAM																			
6.03	16:53	Lapkin, Bohdan	Run		706	102198			200	4	242.4	1677.3	В	4	5	6		Α.					
				tluNB err, run stopped - FireDAQ spotted the TLU	100		-						В			-							
6.03	16:58	Lapkin, Bohdan	Run	issue	707	72180	-		200	4	242.4	1677.3	_	4	5	6	-"-						
6.03	17:04	Lapkin, Bohdan	Run		709	101934	-		200	4	242.4	1677.3	В	4	5	6	.*.						
6.03	17:08	Lankin Bahdan	Run		710	107378			200	4	242.4	1677.3	В	4	_	6		A					
		Lapkin, Bohdan	Ruii							-	242.4		В		5		-"-						
6.03	17:13	Lapkin, Bohdan	Run		711	103192	-		200	4	242.4	1677.3	_	4	5	6	-"-						
6.03	17:19	Lapkin, Bohdan	Run		712	101881	-		200	4	242.4	1677.3	В	4	5	6		Α.	1				
0.00			Info	3 GEV BEAM																			
6.03													В										
6.03	17:25	Lapkin, Bohdan	Run		714	102376	-		200	3	242.4	1677.3	_	4	5	6	.*.						
6.03	17:29	Lapkin, Bohdan	Run		715	114573	-		200	3	242.4	1677.3		4	5	6		A .					
6.03	17:33 17:36	Lapkin, Bohdan Lapkin, Bohdan	Run		716 717	109795 108312	1 :		200 200	3	242.4 242.4	1677.3 1677.3		4	5	6	-"-	Α					
6.03	17:46	Lapkin, Bohdan	Run		719	102121	-		200	3	242.4	1677.3		4	5	6		Α.					
			Info	2 GEV BEAM																			
6.03								1					В										
6.03	17:52	Lapkin, Bohdan	Run		722	109804	-		200	2	242.4	1677.3		4	5	6	.".						
6.03	17:56	Lapkin, Bohdan	Run		723	102432			200	2	242.4	1677.3	В	4	5	6	."-	Α.					
													В										
6.03	18:00	Lapkin, Bohdan	Run		725	102765	-		200	2	242.4	1677.3	R	4	5	6	_"-						
6.03	18:04	Lapkin, Bohdan	Run		726	123162	-		200	2	242.4	1677.3	В	4	5	6	-"-						
6.03	18:07	Lapkin, Bohdan	Run		727	102214			200	2	242.4	1677.3	В	4	5	6	.*.	.4.					
	10.07	Lupkin, Dondan	Info	1 GEV BEAM	121	1022.14			200		242.4	1077.3		-	3								
6.03			Onn										_										
6.03	18:14	Lapkin, Bohdan	Run	tluNB err, run stopped - FireDAQ spotted the TLU issue	731	81664	-		200	1	242.4	1677.3	В	4	5	6	.*.	A					
																			•				

T	Ι					EUDAQ	S	RS	Beam in	nformation	Lumi Tab	e position			St	ack position		1			
Date	Hour	Shifters/Logger	Info type	Additional comment	Run number	Events	Run number	Events	Rate	Energy	X_pos, [mm]	Y_pos, [mm]		В0	B1 I	32 Comment	FLAME settings				
6.03	18:18	Lapkin, Bohdan	Run		732	108480	-		200	1	242.4	1677.3	В	4	5	6 -"-					
6.03	18:21	Lapkin, Bohdan	Run		733	100612	-		200	1	242.4	1677.3	В	4	5	6 -"-	.*.				
6.03	18:24	Lapkin, Bohdan	Run	tluNB err, run stopped - FireDAQ spotted the TLU issue	734	42452			200	1	242.4	1677.3	В	4	5	6 -"-					
6.03	18:29	Lapkin, Bohdan	Run		735	101723			200	1	242.4	1677.3	В	4	5	6 -"-	.*-				
6.03	18:34	Lapkin, Bohdan	Run		736	101847			200	1	242.4	1677.3	В	4	5						
6.03	18:37	Lapkin, Bohdan	Run		737	101378	-		200	1	242.4	1677.3	В		5		A				
	10.57	Capkill, Dolldall	Info	5 GEV BEAM	757	101370	_		200		242.4	1077.5		-	3						
6.03										_			В				_				
6.03	18:42	Jakub	Run	Debug data type: raw	739	50396	-		115	5	242.4	1677.3	В	4	5						
6.03	18:52	Jakub	Run	Debug data type: pedestal subtr.	740	50713	-		115	5	242.4	1677.3	В	4	5						
6.03	19:00	Jakub	Run	Debug data type: CM subtr.	741	50532	-		115	5	242.4	1677.3	В	4	5	6 -"-					
6.03	19:08	Jakub	Run	Debug data type: FIR filter low gain mode. Stopped. Forgot to take out the	742	51060	-		115	5	242.4	1677.3	R	4	5	6 -"-	.*.				
6.03	19:20	Lapkin, Bohdan	Run	pedestal	744	25826	-		115	5	242.4	1677.3	_	4	5	6 -"-					
6.03	19:23	Lapkin, Bohdan	Run	Test run with a low gain mode in FLAME for Marek	745	101940	-		115	5	242.4	1677.3	В	4	5	6 -"-					
				Changing FLAME to the configuration C. LumiCal table position moved to: X = 242.4, Y = 2183.9 to reposition the FLAME boards. Now FLAME will be									В								
6.03	19:41	Lapkin, Bohdan	SETUP	on planes 7, 8, 9							242.4	2183.9		4	5	6					
6.03	20:00	Lapkin, Bohdan	SETUP	LumiCal table moved back to the nominal position. Jakub reconfigures the FLAME for the new sensors and checks dead channels							242.4	1677.3	С	7	8	9 .*.					
0.03	20.00	Lapkiii, Boildaii									242.4	1077.3	С		0	9	**				
			Info	Dead chanels for planes 7, 8, 9>>  First run in configuration C (see FLAME															Dead chanels		
				measurement plan). Some problem with plane 8. It shows only the noise. Noise is lower than in									С								
6.03	20:30	Lapkin, Bohdan	Run	the neighbor planes. We continue runs with this problem open	746	86001	-		200	5	242.4	1677.3		7	8	9		B0, Plane7	B1, Plane8	B2, Plane9	
				Run finished with segmentation vaolation of FireDAQ (see screenshot on the right). Data is									С						28, 45, 66, 85, 95, 113, 118,		
6.03	20:41	Lapkin, Bohdan	Run	saved properly.  tluNB err, run stopped - FireDAQ spotted the TLU	747	102708	-		200	5	242.4	1677.3	С	7		9 -"-	*-	22, 71, 78, 100	119	13, 53, 63, 126	
6.03	20:56	Lapkin, Bohdan	Run	issue	749	53076	-		200	5	242.4	1677.3	С	7	8	9 -"-					
6.03	21:01	Lapkin, Bohdan	Run	RUN number accidently written as 53076 insread	750	104418	-		200	5	242.4	1677.3	С	7	8	9 .*-					
6.03	21:11	Lapkin, Bohdan	Run	of 751	53076 (751)	103631	-		200	5	242.4	1677.3	·	7	8	9					
6.03	21:26	Lapkin, Bohdan	Run	We restored the number from the EUDAQ panel to 752. tluNB err, run stopped - FireDAQ spotted the TLU issue	752	52801	_		200	5	242 4	1677.3	С	7	8	9	Α.				
				are red issue						-			С	7		9 .*-	Α.				
6.03	21:31	Lapkin, Bohdan	Run		753	101303	-		200	5	242.4	1677.3	С	7		9 .".	Δ.				
6.03		Lapkin, Bohdan	Run		754	99532	-		200		242.4	1677.3	С								
6.03	21:48	Lapkin, Bohdan	Run	Changing FLAME to the configuration D. LumiCal	755	57491	-		200	5	242.4	1677.3		7	8	9 -*-					
				table position moved to: X = 242.4, Y = 2272.8 to reposition the FLAME boards. Now FLAME will be									С								
6.03	21:55	Lapkin, Bohdan	SETUP	on planes 10, 11, 12 LumiCal table is moved back to the nominal							242.4	2272.8	D	7	8	9 ."-					
6.03	22:17	Lapkin, Bohdan	SETUP	position. Jakub reconfigures the FLAME for the new sensors and checks dead channels							242.4	1677.2		10	11	12 -"-					
6.03			Info	Dead chanels for planes 10, 11, 12>>									D						Dead chanels		
6.03	21:33	Lapkin, Bohdan	Run		757	100580	_		200	5	242.4	1677.2	D	10	11	12		B0, Plane10	B1, Plane11	B2, Plane12	
													D					22, 71, 78, 100, 120, 122,	28, 45, 85, 95,		
6.03	21:42	Lapkin, Bohdan	Run		758	100264	-		200	5	242.4	1677.2	D	10	11	12 -"-		124, 126, 127	118, 119, 124	13, 53, 63, 126	
6.03	22:50	Lapkin, Bohdan	Run	tluNB err, run stopped - FireDAQ spotted the TLU	759	100435	-		200	5	242.4	1677.2	D	10	11	12					
6.03	22:58	Lapkin, Bohdan	Run	tiuNB err, run stopped - FireDAQ spotted the TLU issue	760	34025	-		200	5	242.4	1677.2		10	11	12 -"-	Α				
6.03	23:02	Lapkin, Bohdan	Run		761	100908	-		200	5	242.4	1677.2	D	10	11	12 -"-	Α				
6.03	23:11	Lapkin, Bohdan	Run		762	101698	-		200	5	242.4	1677.2	D	10	11	12 -"-					
6.03	23:20	Lapkin, Bohdan	Run		764	7437	-		200	5	242.4	1677.2	D	10	11						
6.03	23:23	Lapkin, Bohdan	SETUP	We remove 1st tungsten plate in the front. And connect FLAME boards to 1, 2, 3 sensors							242.4	2249.4	D	10	11	Without W before 12 sensor	e 1st				
				LumiCal table is moved back to the nominal position. Jakub reconfigures the FLAME for the																	
				new sensors and checks dead channels. Looking how to make EUDAQ restart after certain number									Α-			Without W before					
6.03	23:49	Lapkin, Bohdan	SETUP	of events							242.4	1677.2			2	Without W before	-"- e 1st				
7.03	00:02	Lapkin, Bohdan	Run	Szymon is trying to make EUDAQ restart run	765	117000	-		200	5	242.4	1677.2	Α-	1	2	3 sensor Without W before	A				
7.03	00:14	Lapkin, Bohdan	Run	option work with a scan scripts			-		200	5	242.4	1677.2	Α-	1	2		-"-				

						EUDAQ	s	RS	Beam in	formation	Lumi Table	position			Sta	ack po	esition		1				
Date	Hour	Shifters/Logger	Info type	Additional comment	Run number	Events	Run number	Events	Rate	Energy	X_pos, [mm]	Y_pos, [mm]	Conf	В0	B1 E	B2	Comment	FLAME settings					
7.03	00:20	Lapkin, Bohdan	Run	We leave this setup to run autopilot for the night. EUDAQ will start every new run every 10 min.	775	check in the morning	-		200	5	242.4	1677.2	A-	1	2	3	Without W before 1st sensor	A.					
																	Without W before 1st						
7.03	09:15	Jakub	End of run	End of night run	826	? (~120000)	-		200	5	242.4	1677.2	Α-	1	2	3	sensor		823 passed to Sa	sha			
7.03	09:15	Jakub	Run	Debug data: RAW	827	50168	-		120	5	242.4	1677.2	Α-	1	2	3	Without W before 1st sensor	A					
7.03	09:21	Jakub	Run	Debug data: Pedestal subtraction	828	50756	-		120	5	242.4	1677.2	A-	1	2	3	Without W before 1st sensor	A					
7.03	09:29	Jakub	Run	Debug data: CM subtraction	829	~66770	_		120	5	242.4	1677.2	A-	1	2	3	Without W before 1st sensor	Α.					
7.03	~09:37	Jakub	Run	Debug data: FIR	830	50911	_		120	5	242.4	1677.2	Α-	1	2	3	Without W before 1st sensor	Α.					
7.03	10:00	Maryna, M.G.	SETUP	We prepare FLAME for the xy scan. We move the LumiCal table to the X = 247.2. Y = 1630.2						_	242.4	1605 6	Α-			3	Without W before 1st sensor	ž.					
7.03	10.00	maryna, m.o.	OL TO	We moved Lumical tp X = 247.2, Y = 1630.2 for							242.4	1000.0		•	-	3	action						
7.03			SETUP	the xy scan. This is the bottom of the sensor (channels 63/64). We try to keep the beam spot in the edge between sectors 0 and 1							247.2	1630.2	Α-										
7.03	10:12	Jakub	Run	XY scan, sensor bottom (channel 63)	833	50260	_	#REF!	200	5	247.2	1630.2	Α-	1	2	3	Without W before 1st sensor						
7.03	10:16	Jakub	Run	XY scan, sensor bottom (channel 63)	834	50467		#REF!	200	5	247.2	1630.2	Α-			3	Without W before 1st	Α.					
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			-	#REF!					Α-			-	sensor Without W before 1st						
7.03	10:26	Jakub	Run	XY scan, sensor bottom (channel 60)	837	50371	-		200	5	247.2	1635.6	Δ-		2	-	sensor Without W before 1st	A.					
7.03	10:31	Jakub	Run	ALPIDE plane 1 did not start  XY scan, sensor bottom (channel 60) - probably	838	~30000	-		200	5	247.2	1635.6	~	1	2	3	sensor						
7.03	10:36	Jakub	Run	this run is 840 (because 839 is not even saved for Flame)	839	50216			200	5	247.2	1635.6	Α-	1	2	3	Without W before 1st sensor	Α.					
7.03	10:45	Jakub	Run	XY scan, sensor bottom (channel 57)	843	50437	_	#REF!	200	5	247.1	1641	Α-		2	3	Without W before 1st sensor						
7.03	10:50	Jakub	Run	XY scan, sensor bottom (channel 57)	844	50477			200	5	247.1	1641	Α-		-	3	Without W before 1st sensor	Α.					
7.03	10:54	Jakub	Run	XY scan, sensor bottom (channel 54)	847	61529			200	5	246.3	1646.5	Α-		2		Without W before 1st sensor						
				, , , , , , , , , , , , , , , , , , , ,			-						Α-				Without W before 1st						
7.03	10:58	Jakub	Run	XY scan, sensor bottom (channel 54)	848	49298	-		200	5	246.3	1646.5	۸.			3	sensor Without W before 1st						
7.03	11:04	Jakub	Run	XY scan, sensor bottom (channel 51)	849	49090	-		200	5	245.7	1651.8	^-	1	2	3	sensor Without W before 1st						
7.03	11:09	Jakub	Run	XY scan, sensor bottom (channel 51)	850	50328	-		200	5	245.7	1651.8	Α-	1	2	3	sensor Without W before 1st	2.					
7.03	11:15	Jakub	Run	XY scan, sensor bottom (channel 48)	852	48318	-		200	5	244.5	1657.2	Α-	1	2	3	sensor Without W before 1st	Α.					
7.03	11:20	Jakub	Run	XY scan, sensor bottom (channel 48)	853	54707	-		200	5	244.5	1657.2	Α-	1	2	3	sensor	. A.					
7.03	11:25	Jakub	Run	XY scan, sensor bottom (channel 42)	854	50121	-		200	5	243	1668	A-	1	2	3	Without W before 1st sensor	A					
7.03	11:29	Jakub	Run	XY scan, sensor bottom (channel 42)	855	50390	-		200	5	243	1668	A-	1	2	3	Without W before 1st sensor	2.					
7.03	11:37	Jakub	Run	XY scan, sensor bottom (channel 36)	860	51424	-		200	5	241.6	1678.7	A-	1	2	3	Without W before 1st sensor	A					
7.03	11:45	Jakub	Run	XY scan, sensor bottom (channel 30)	861	50971	_		200	5	240.1	1689.7	A-	1	2	3	Without W before 1st sensor	Α.					
7.03	11:50	Jakub	Run	XY scan, sensor bottom (channel 24)	862	50876	_		200	5	238.7	1700.3	Α-	1	2	3	Without W before 1st sensor	.e.					
7.03	11:55	Jakub	Run	XY scan, sensor bottom (channel 18)	864	50563	_		200	5	237.4	1711.3	Α-			3	Without W before 1st	A					
					865	51073	-						Α-				Without W before 1st	Α.					
7.03	12:00	Jakub	Run	XY scan, sensor bottom (channel 12)			-		200	5	236	1722.1	Α-			3	sensor Without W before 1st						
7.03	12:05	Jakub	Run	XY scan, sensor bottom (channel 6)	866	50705	-		200	5	234.4	1732.8	Δ-		2	-	sensor Without W before 1st	Α					
7.03	12:10	Jakub	Run	XY scan, sensor bottom (channel 6)	867	50335	-		200	5	234.4	1732.8				3	sensor Without W before 1st						
7.03	12:15	Jakub	Run	XY scan, sensor bottom (channel 0)  First tungsten plate mounted back, Flame table	868	50799	-		200	5	233	1743.7	Α-	1	2	3	sensor	25.					
		Szymon		moved to the default position, now Flame will be in configuration E (on positions 13, 14, 15)																			
7.03 7.03	12:40		SETUP	Dead chanels for planes 13, 14, 15>>	x								E	13	14	15	With W before 1st sensor	Α		Dead chanels			
7.03	13:05	Cmur	Run	Autopilot: 100kevents/Run.EUDAQ will start every	869	101701			200	5	242.3	1677.2	E				With W before 1st sensor		B0. Plane13		B2, Plane15		
		Szymon	Run	10 min.			-						Е						.,	B1, Plane14 28, 45, 85, 95	13, 53, 63, 92,		
7.03	13:55	Szymon		Autopilot finished on run: 875 Single board (B0) mounted on sensor layer 8	875	~120000	-		200	5	242.3	1677.2		13	14	15	With W before 1st sensor	Α	22, 71, 78, 102	118, 119, 124	126, 127		
7.03	14:10	Jakub	SETUP	which was not working properly in configuration C. Flame is now in configuration F. Flame table moved to the default position																			
7.03	14:15	Jakub	Run		877	110787	-		200	5	242.3	1677.2	F	8	-	_ '	With W before 1st sensor	2.					
7.03	14:24	Jakub	Run		878	106855	-		200	5	242.3	1677.2	F	8			With W before 1st sensor						
7.03	14:33	Jakub	Run		879	100689	_		200	5	242.3	1677.2	F	8			With W before 1st sensor	A					
7.03	14:41	Jakub	Run		880	101695	_		200	5	242.3	1677.2	F	8			With W before 1st sensor	Α.					
7.03	17.71	Jakub	Run	Sensor on plane 8 is working. Runs 746-755 failed probably because of the bad connection of the	000	101000	-		200	,	242.3	1077.2	F	3			The second rat sensor						
7.03	14:56	Juliub	ran	FLAME board	881	103997	-		200	5	242.3	1677.2		8	-	- '	With W before 1st sensor		l				

					T	EUDAO	SR		Doom is	nformation	Lumi Tabi	a negition				took .	position		
Date	Hour	Shifters/Logger	Info type	Additional comment	Run number	Events	Run number	-				Y_pos, [mm]	Conf	BO				FLAME settings	
				We disassamble the LumiCal box to connect SRS	rtuii number	Literato	Tturi riumber	Liono	1 1 1 1 1			1_poo, []		50	-	-	Comment		
				system to the layers: 4, 5, 6, 7, 8, 10, 12, 14. Connections (#Sensor - #Layer - #APV - #HDMI)									Α						Connecting the SRS to the
7.03	15:23	Bohdan	SETUP	are shown in the picture on the right							242.3	2283.6		1	2	3	With W before 1st sensor		Sensort Plane) APV HAMI
			SETUP	SRS is connected but we observe high noise in							242.3	2283.6	Α						59 4 4 1
7.03	19:12	Bohdan	SETUP	APV We move the LumiCal table coresponding to							242.3	2283.6		1	2	3	With W before 1st sensor		10 5 5 2
				Jakob's positioning list (see 2nd sheet) to match															54 6 6 3
				around ~44 pad. We going to record data and check how FLAME, SRS, TELESCOPE cooperate									Α						87ee 7 7m 4
7.03	20:42	Bohdan	SETUP	with each other. SRS is still noisy							238.4	1708.1		1	2	3	With W before 1st sensor		53 8 8 5
7.03	20:56	Bohdan, Jan	Run	Pedestal run for SRS	-		4		0		238.4	1708.1	Α	1	2	3	With W before 1st sensor		64 10 9 6
				Jakub tries to set the VETO trigger delay to the value so SRS can work in parallel (~30 Hz). 3rd															T2 12 10 F
				sensor noise increased more than 2 times compared to last results. MIP peak couldn't be									Α						61 14 11 8
7.03	21:01	Bohdan	Run	compared to last results. MIP peak couldn't be distinguished	893		_		500	5	238.4	1708.1		1	2	3	With W before 1st sensor		
				First run to tackle synchronisation between FLAME and SRS. FLAME threshold is lowered to															
7.03	21:29	Bohdan	Run	FLAME and SRS. FLAME threshold is lowered to much. Putting it back for the next runs	908	27077	7	27372	27	5	238.4	1708.1	Α	1	2	3	With W before 1st sensor		
7.05	21.20	Dondan	IXUII	SRS still shows more events than FLAME. This is	300	21011	1 '	21312	21	,	230.4	1700.1			-	J	With W belove 1st sensor		
7.03	21:51	Bohdan	Run	know problem from the previous test beam. Trying	909	3830	8	3871	27	5	238.4	1708.1	Α		2		With W before 1st sensor	Α.	
	23:58	Bohdan	Run	to solve it	911	1902	10	1918	27	5	238.4		Α	1			With W before 1st sensor		
7.03	23.30	bulluali	Rull	We concluded this is SRS bug. SRS dublicates	911	1902	10	1010	21	3	230.4	1700.1	^		-	3	WILLI W DEIOLE 1St SELISOI	**	
				some events. We can track those dublicates by															
				time delay less than 900 us (time_us1-time_us2). We tried to fix this, but couldn't. For now we									Α						
7.03	22:35	Bohdan	Info	should be careful and take out the duplicate in the raw files data before any analysis															
7.03	22.33	bulluali	IIIIO	Current plan: To do the energy scan. With 200k															
				events per energy, 50k events per run and 2k									Α						
7.03	22:49	Bohdan	Info	events pedestal runs on switching the beam energy															
7.03	22:50	Sasha, Bohdan	Run	Energy scan	912	50061	11	50636	27	5	238.4	1708.1	Α	1	2	3	With W before 1st sensor		
7.03	23:20	Sasha	Run	Energy scan	913	49834	12	50371	27	5	238.4	1708.1	Α	1	2	3	With W before 1st sensor		
8.03	00:11	Bohdan, Mykyta	Run	Energy scan	914	49834	13	50371	27	5	238.4	1708.1	Α	1	2	3	With W before 1st sensor	Α.	
8.03	00:48	Bohdan, Mykyta	Run	tluNB err, run stopped - FireDAQ spotted the TLU issue	916	~38000	15	~38000	27	5	238.4	1708.1	Α	1	2	3	With W before 1st sensor		
	01:12	Bohdan, Mykyta	Run	Energy scan	917	50048	16	50587	27	5	238.4		Α	1			With W before 1st sensor	Α.	
		Bohdan, Mykyta	Run	Pedestal run for SRS	-	-	18	~2000	0		238.4		Α	1	2		With W before 1st sensor		
			Info	4 GEV REAM									Δ						
8.03		Bohdan, Mykyta		4 OEV BE (III			- 10										1450 1441 6 6 6		
8.03	01:55	Bohdan, Mykyta	Run	Energy scan Sometimes SRS produces ERROR "Event	918	50118	19	50606	27	4	238.4	1708.1	Α	1	2	3	With W before 1st sensor		
8.03		Bohdan, Mykyta	Info	droped" and WARNINGS "no fafa frame"															
8.03	02:30	Bohdan, Mykyta	Run	Energy scan	919	50061	20	50571	27	4	238.4	1708.1	Α	1	2	3	With W before 1st sensor	Α.	
				SRS in run19 has 488 more events than TLU.															
				Number of dublicate events (delay < 1000us) in SRS is 495. Thus TLU has 7 actual events MORE															
				than SRS. Probably SRS missed the events. Number of ERRORs "Event droped" doesn't															
		Bohdan, Mykyta	Info	match 7															
		Bohdan, Mykyta	Run	Energy scan	921	50827	22	51398	27	4	238.4		A				With W before 1st sensor		
		Bohdan, Mykyta	Run	Energy scan	922	50163	23	50679 2500	27	4	238.4		A				With W before 1st sensor		
	05:00 04:06	Bohdan, Mykyta Bohdan, Mykyta	Run Info	Pedestal run for SRS 3 GEV BEAM			24	2500	0		238.4	1708.1	Α Λ	1	2	3	With W before 1st sensor		
	04:12	Bohdan, Mykyta	Run	Fire producer was dead. Restarting FireDAQ	924		25		27	3	238.4	1708 1	Â	1	2	3	With W before 1st sensor		
		Bohdan, Mykyta	Run	Accidently closed SRS DAQ	929	45771	20		27	3	238.4		Α				With W before 1st sensor		
				Compactified log (only ERRORS & WARNINGS)															
				of SRS runs up to 23 is stored in the txt file /home/toc/SiliconTAU/srs_shift_log.txt, Hope that															
				it will help to identify missing SRS events and to															
8.03 8.03	04:47	Bohdan, Mykyta Bohdan, Mykyta	Info Run	restore calibration  Energy scan	930	50127	29	50694	27	3	238.4	1708.1	Α	1	2	3	With W before 1st sensor		
	05:12	Bohdan, Mykyta	Run	Energy scan Energy scan	930	50127	30	50648	27	3	238.4		A	1	-	-	With W before 1st sensor		
	05:42	Bohdan, Mykyta	Run	Energy scan	932	50298	31	50795	27	3	238.4		A	1		3	With W before 1st sensor		
	06:07	Bohdan, Mykyta	Run	Energy scan	933	50336	32	50836	27	3	238.4		Α	1		3	With W before 1st sensor	.*.	
8.03		Bohdan, Mykyta	Run	Pedestal run for SRS			35	2089	0		238.4		Α	1		3	With W before 1st sensor	.*.	
	06:43	Bohdan, Mykyta	Info	2 GEV BEAM									Α						
	06:43	Bohdan, Mykyta	Run	Energy scan	934	50989	36	51485	27	2	238.4		A	1			With W before 1st sensor		
	07:11 07:33	Bohdan, Mykyta	Run	Energy scan	937 938	51278 47841	39	51828 48325	27	2	238.4		A	1			With W before 1st sensor With W before 1st sensor	A. A.	
	07:33	Bohdan, Mykyta Roma, Lapkin	Run	Energy scan Energy scan	938	47841 50017	40 44	48325 50521	27 27	2	238.4	1700.1	A				With W before 1st sensor With W before 1st sensor	A	
0.03	00.07	roma, capalli	IXUII	Status for next shifters: Finish energy scan. The	040	30017	-	30321	- 21	-	230.4	1700.1	_		-	J	THE PERSON NAMED IN COURSE		
8.03	08:12	Dob-1	Info	next step is to increase statistics and to do the															
8.03	U8:12	Bohdan Roma, Lapkin		positional scan? Wait others for the discussion															
8.03		Nome, Lapkiil	Info	1 GEV BEAM															
				We are taking additional 1GeV set of run, because															
				the planned energy scans are finished and one should wait for smn who can control next type of															
8.03		Roma, Lapkin	Info	measurements (rotation?)															
	08:38	Roma, Lapkin	Info	Pedestal run for SRS	-		45	2322	0		238.4		A	1			With W before 1st sensor		
	08:45	Roma, Lapkin	Run	Energy scan	941	50352	46	50915 41450	50	1	238.4		A				With W before 1st sensor		
0.00	09:05	Roma, Lapkin Roma, Lapkin	Run Run	Energy scan Energy scan	943 944	50936 48161	47 48	41450 48633	50 50	1	238.4		A				With W before 1st sensor With W before 1st sensor		
8.03	UU.E4	Roma, Lapkin	run	Linergy Staff	0-4*4	40101	40	-10000	30	<u>'</u>	230.4	1700.1	-		-	J	· · · ar vv porore 1st sensor		
	- 1	,																	

Date H	our	Shifters/Logger	Info type	Additional comment		EUDAQ		RS		nformation		ole position				k position	FLAME settings			
8.03	_				Run number	Events #REF!	Run number	Events #REF!	Rate #REF!	Energy	x_pos, [mm]	Y_pos, [mm]	Conf   E	30 B	1 82	Comment				
8.03		Roma, Lapkin Roma, Lapkin				#REF!		#REF!	#REF!											
		Roma, Lapkin				#REF!		#REF!												
		Rolla, Lapkill				#INCLI:		WILL:												
				In the morning we tried to fix the high noise in the																
				3, 4 planes, which results in 14 hours fight. Now noise is higher in the whole system. That makes																
				measurements imposible. Jakub tried to set up																
				additional power supply to make powering of SRS and FLAME separate which decreased the noise																
				x2 but its still too high																
8.03 23	3:08	Bohdan	Info																	
8.03 23	3:08	Bohdan	SETUP	FLAME boards moved to planes: 10, 12, 14, SRS now takes 1-8 planes									1	0 1:	2 14					
				The noise fights and the new configuration are																
8.03 23	3:08	Bohdan	Info	better documented in the paper logbook																
0.03 23	3.00	Bolluali		We unmount FLAME boards to make tilt LumiCal																
			SETUP	measurements with SRS only, cause we cannot																
8.03 23	3:33	Bohdan		operate 2 systems in the same time without noise																
				working configuration and not to do all at once but																
				track the noise change after small steps (grounding change, etc.) to understand what																
			Info	cause noise and how to reduce it																
8.03 23	3:38	Bohdan		We lifted LumiCal front olds up by 16xxxxxx							-									
				We lifted LumiCal front side up by 16mm to create 2 degrees angle. Now we will do a positional scan							1							1		
9.03 01	1:00	Bohdan	SETUP	with reference to runs843-868 with a 8mm correction for a tilt							1							1		
9.03	1:00	Bondan		Y scan of the tilted LumiCal at 2 degrees. 4																
				positions for the scan are chosen to fit in time see																
				on the sheet4.																
				Channels are numbered by Jakub scheme. See picture on top-right.														1		
9.03		Ruth, John	Info Info	5 GEV BEAM									Α					1		
	1:05	Ruth, John	Run	Random position left	948	50382	70	50914	27	5	238.5	1679.9	А			With W before 1st sensor	Α.			
9.03	1:05	Ruth, John	Run	channel 51	948	50382	/0		21	5	238.5	1079.9			-	with w before 1st sensor		1		
9.03 01	1:51	Ruth, John	Run		950	50093	74	50624	27	5	244.2	1659.8		-   -		With W before 1st sensor	Α.			
9.03 02	2:26	Ruth, John	Run	channel 51	951	50103	75	50649	27	5	244.2	1659.8				With W before 1st sensor	Α.			
9.03 02	2:26	Ruth, John	Run	channel 51	951	50103	/5		21	5	244.2	1009.8				with w before 1st sensor				
9.03 03	3:00	Ruth, John	Run		952	50151	76	50684	27	5	244.2	1659.8		-   -		With W before 1st sensor	Α.			
0.00		Doub John	D	channel 51	050	50400		50720	07	_	044.0	4050.0				14/9b 14/ b - f 4 - 4	Α.			
9.03 03	3:35	Ruth, John	Run	channel 42	953 954	50182	77		27	5	244.2	1659.8				With W before 1st sensor				
9.03 04	4:10	Ruth, John	Run	Citatiliei 42	200309040945	50061	78	50592	27	5	241.9	1676				With W before 1st sensor	Α.			
				channel 42 (accidentally changed run number, so it repeats.																
				data files are ok, have unique time stamp)	954			50656												
9.03 04	4:44	Ruth, John	Run		200309044354	50123	79		27	5	241.9	1676				With W before 1st sensor	A			
9.03 05	5:20	Ruth John	Run	channel 42	955	50097	80	50648	27	5	241.9	1676		-   -		With W before 1st sensor	Α.			
9.03 06	6:01	Ruth, John	Run	channel 18	956	50107	81	50654	27	5	236.4	1719.2				With W before 1st sensor	Α.			
9.03 06	6:34	Ruth, John	Run	channel 18	957	50093	82	50634	27	5	236.4	1719.2				With W before 1st sensor				
	7:07	Ruth, John	Run	channel 18	958	50170	83	50727	27	5	236.4	1719.2		-   -		With W before 1st sensor	Α.			
	7:47	Ruth, John	Run	channel 18	961	36144	86	36547	27	5	236.4	1719.2				With W before 1st sensor	A			
	B:11	Sasha, maryna	Run	Pedestal Run			87	775	0	5	236.4	1719.2				With W before 1st sensor	Α.			
	B:30	Sasha, maryna	Run	Pedestal Run			88	2336	0	5	240.6	1708.2			-	With W before 1st sensor				
	8:47 9:33	Sasha, maryna	Run	channel 24 channel 24	963 964	59861 61778	90 91	60510 62434	27	5	240.6 240.6	1708.2 1708.2				With W before 1st sensor With W before 1st sensor	A A			
	9:33	Sasha, maryna Sasha, maryna	Run	channel 24 channel 24	964	61778 51720	91	52254	27	5	240.6	1708.2				With W before 1st sensor	Α	l		
	0:50	Sasha, maryna	Run	channel 24	966	50595	93	51093	27	5	240.6	1708.2								
		,		Y scan of the tilted LumiCal at 4 degrees. 2							1									
	11:51		Info	positions for the scan are choosen.																
	1:57	Sasha, maryna	Run	Pedestal Run			94	3194	0	5	240.6	1716.6					A .			
	2:13	Sasha, maryna Sasha, maryna	Run	channel 24	968 969	51589	96 97	59117 53882	27	5	238.3	1716.4				With W before 1st sensor	A.	1		
	2:51	Sasha, maryna Sasha, maryna	Run Run	channel 24 channel 24	969	53312 50258	97	53882 50811	27 27	5	238.3 238.3	1716.4 1716.4			-	With W before 1st sensor With W before 1st sensor	A			
	4:19	Sasha, maryna	Run	channel 42	972	50559	99	51135	27	5	242.1	1684.5				With W before 1st sensor				
	4:55	Sasha, maryna	Run	channel 42	974	50048	101	50569	27	5	242.1	1684.5				With W before 1st sensor	Α.	1		
	5:28	Sasha, maryna	Run	channel 42	975	51349	102	51876	27	5	242.1	1684.5								
				Y scan of the tilted LumiCal at 6 degrees. 2																
	15:51	0	Info Run	positions for the scan are choosen.  Pedestal Run			103	2352	0	-	242 1	1724 4				With W before 1st sensor	Α.			
9.03 16	0.17	Sasha, maryna	Run	recestal Run			103		U	5	242.1	1724.4				vvitri vv beiore 1st sensor				
9.03 16	6.29	Louis, maryna	- sun	channel 24	981	52108	106	52692	27	5	236.6	1724.4				With W before 1st sensor	A			
9.03 17	7:34	Lauta assau	Run	Channel 24, large (2.2 GB for SRS, pedestal	982	~35000	107	about 35k	27	-	236.6	1724.4								
	7:34 8:00	Louis, maryna Louis, maryna	Run	noise wrongly set to 10) Channel 24	982	~35000 50179	107	about 35k 50720	27 Energy sca	5 u 5	236.6 236.6	1724.4 1724.4						1		
		Louis, marylld	IXUII	Channel 24 (Run terminated because fireDAQ		30179		23446		. ,	230.0									
	B:34	Louis, maryna	Run	error)	984	23549	109		27	5	236.6	1724.4								
	8:56	Louis, maryna	Run	Channel 24	985	27735	110	28056	27	5		1724.4								
	9:30	Louis, maryna	Run	Channel 42	992	50394	115	50901	27	5	239.7	1692								
	0:00	Louis, maryna	Run	Channel 42	993	51227	116	51766 50962	27	5	239.7	1692								
9.03 20	0:30	Louis, maryna	Run	Channel 42	994	50388	118	50902	27	5	239.7	1692						l		

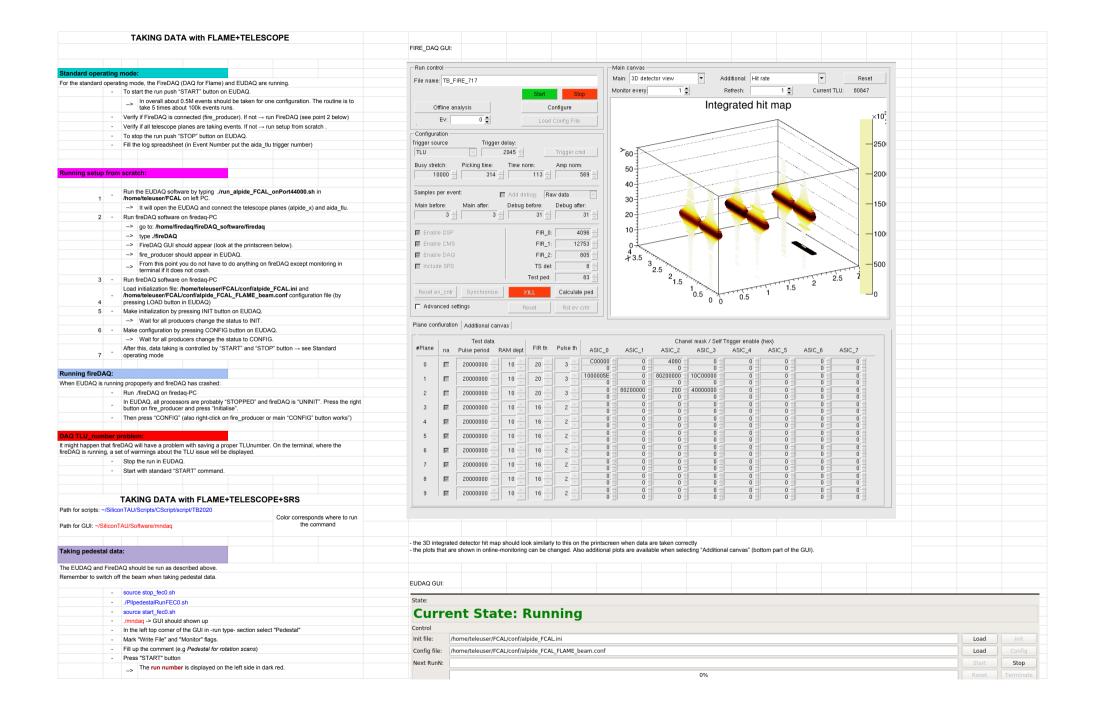
		1																	
Date	Hour	Shifters/Logger	Info type	Additional comment		EUDAQ	SR			nformation		ble position		1		ck position	FLAME settings		
L					Run number	Events	Run number	Events	Rate	Energy	X_pos, [mm]	Y_pos, [mm]	Conf	В0	B1   E	2 Comment	-		
		0h- 0		Finished: finding the best grounding scheme both for Flame and for SRS. The tested configurations															
10.03	06:09	Sasha, Szymon, Jakub, Roma	Info	can be found in another spreadsheet "FLAME and															
				SRS grounding scheme". Configuration 31 will be used for further data taking.															
				Calculating the x/y for position scan to study															
10.03		Szymon, Jakub, Roma	Info	leakage -> See next tab															
	06:30																		
		Lapkin, Roma	Run	Pedestal Run			148	-	0		233.8	1709.2	Α	1	2	With W before 1st sensor			
10.03	06:44	Lapkin, Roma	Run	Approaching calorimetre edge (channel: ~20)	1002	50184	151	50724	25	5	233.8	1709.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
10.03	07:18	Lapkin, Roma	Run	Approaching calorimetre edge (channel: ~20)	1003	50486	152	51019	25	5	233.8	1709.2	Α	1	2		grounding Conf 31		
	07:10	Lapkin, Roma	Run		1003			52297	26				A						
10.03	07:51	Eupkin, rkomu	Run	Approaching calorimetre edge (channel: ~20)  When moving the table	1004	51783	153	32291	26	5	233.8	1709.2	Α.	1	2	With W before 1st sensor	grounding Conf 31		
10.03			SETUP	styrofoam seperating metal cable and the box fell															
		Bohdan, Mykyta		down. We glued it with a scotch to the box													grounding Conf 31		
10.03	08:38	Bohdan, Mykyta	Run	Pedestal Run			155	~2000	0		232.5	1719.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
10.03	08:47	Bohdan, Mykyta	Run	Approaching calorimetre edge (channel: ~14)	1007	50406	157	50942	26	5	232.5	1719.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
	09:22	Bohdan, Mykyta	Run		1008	50553	158	51071	26	5	232.5	1719.2	Α						
		, , , ,		Approaching calorimetre edge (channel: ~14)										1			grounding Conf 31		
10.03	09:55	Bohdan, Mykyta	Run	Approaching calorimetre edge (channel: ~14)	1009	50222	159	50722	26	5	232.5	1719.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
10.03	10:49	Bohdan, Mykyta	Run	Approaching calorimetre edge (channel: ~11)	1012	50099	164	50587	26	5	231.3	1724.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
10.03	11:23	Bohdan, Mykyta	Run	Approaching calorimetre edge (channel: ~11)	1013	49851	165	~50000	26	5	231.3	1724.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
10.03	11:57	Bohdan, Mykyta	Run		1014	50384	166	50912	26	5	231.3	1724.2	Α	1	2				
10.03				Approaching calorimetre edge (channel: ~11)				61297					^		-		grounding Conf 31		
	12:56	Bohdan, Mykyta	Run	Approaching calorimetre edge (channel: ~8)	1016	60693	167		26	5	230.3	1729.2	*	1	2	With W before 1st sensor	grounding Conf 31		
10.03	13:37	Bohdan, Mykyta	Run	Approaching calorimetre edge (channel: ~8)	1017	51740	168	52289	26	5	230.3	1729.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
10.03	14:12	Bohdan, Mykyta	Run	Approaching calorimetre edge (channel: ~8)	1018	50250	169	50734	26	5	230.3	1729.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
10.03	15:03	Bohdan, Mykyta	Run	Approaching calorimetre edge (channel: ~6)	1020	50250	170	50760	26	5	229.2	1734.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
10.03	15:39		Run		1021	51147	171	~50000	26	5	229.2	1734 2	Δ	1	2	With W before 1st sensor			
		Bohdan, Mykyta		Approaching calorimetre edge (channel: ~6)												VIIII VI BOIOIC TOLOCITOO	grounding Conf 31		
10.03	16:11	Bohdan, Mykyta	Run	Approaching calorimetre edge (channel: ~6)	1022	50087	172	50630	26	5	229.2	1734.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
	~17:10	Bohdan, Mykyta	Run	Pedestal Run			174	~2000	0		231.3	1724.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
10.03	17:21	Bohdan, Mykyta	Run	Approaching calorimetre edge (channel: ~3)	1025	50951	175	~50000	26	5	228.7	1739.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
10.03	17:55	Bohdan, Mykyta	Run	Approaching calorimetre edge (channel: ~3)	1026	53377	176	53989	26	5	228.7	1739.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
10.03	18:37	Bohdan, Mykyta	Run	Approaching calorimetre edge (channel: ~3)	1029	51855	179	52393	26	5	228.7	1739.2	Α	1	2	With W before 1st sensor	grounding Conf 31		
				the energy scan. Repositionig to the center. With 200k events per energy, 50k events per run and															
				2k events pedestal runs on switching the beam															
	19:15			energy															
		maryna	Info	Pedestal Run					00	5	040.0	4077.0			0	14/46 14/6-4 4-4			
10.03	19:15	maryna	Run	We finished the positional scan and preparing for					26	5	242.6	1677.2	А	1	2	B With W before 1st sensor	grounding Conf 31		
				an energy scan similar to a scan at runs 912-944															
10.03				at position with pad=19, between sectors which															
			Info	coordinates we found precisely with a flame hit map. We repeat the measurements with a less															
	20:10	Bohdan, Mykyta		noise configuration for a cross check													grounding Conf 31		
10.03		Szymon	Info	5 GEV BEAM															
10.03	20:11	Bohdan, Mykyta	Run	Pedestal Run			174	2077	0		234.6	1712	Α	1	2	With W before 1st sensor	grounding Conf 31		
10.03	20:16	Bohdan, Mykyta	Run	Energy scan	1034	50732	182	51215	27	5	234.6	1712	Α	1	2	With W before 1st sensor	grounding Conf 31		
10.03				tluNB err, run stopped - FireDAQ spotted the TLU															
	20:49	Bohdan, Mykyta	Run	issue	1035	~10000	183	~10000	27	5	234.6	1712	^	1	2		grounding Conf 31		
	20:58	Bohdan, Mykyta	Run	Energy scan	1036	51362	184	51914	27	5	234.6	1712	Α	1	2		grounding Conf 31		
	21:32	Bohdan, Mykyta	Run	Energy scan	1037	50068	185	50617	27	5	234.6	1712	A	1	2		grounding Conf 31		
	22:09	Szymon	Run	Energy scan	1038	58062	186	53699	27	5	234.6	1712	A	1	2	With W before 1st sensor	grounding Conf 31		
10.03		Szymon	Info	4 GEV BEAM									Α						
	22:52	Szymon	Run	Pedestal Run			188		0	4	234.6	1712	Α	1	2	With W before 1st sensor	grounding Conf 31		
	22:58	Szymon	Run	Energy scan	1040	~50000	189	51490	35	4	234.6	1712	Α	1	2	With W before 1st sensor	grounding Conf 31		
	23:30	Szymon	Run	Energy scan	1041	53878	190	54397	35	4	234.6	1712	Α	1	2	With W before 1st sensor	grounding Conf 31		
	23:55	Szymon, Mikhail	Run	Energy scan	1042	50272	191	50777	35	4	234.6	1712	Α	1	2		grounding Conf 31		
	00:23	Szymon, Mikhail	Run	Energy scan	1043	50181	192	50713	35	4	234.6	1712	Α	1	2	With W before 1st sensor	grounding Conf 31		
	00:50	Szymon, Mikhail	Info	3 GEV BEAM						4			Α						
	00:54	Szymon, Mikhail	Run	Pedestal Run			193	~2200											
	00:57	Szymon, Mikhail	Run	Energy scan	1044	50779	194	51323	35	3	234.6	1712	A	1	2		grounding Conf 31		
	01:20	Szymon, Mikhail	Run	Energy scan	1045	51414	195	51903	35	3	234.6	1712	A	1	2		grounding Conf 31		
	01:47	Szymon, Mikhail	Run	Energy scan	1046	50065	196	50617	35	3	234.6	1712	A	1	2		grounding Conf 31		
	02:09	Szymon, Mikhail	Run	Energy scan	1047	52967	197	53567	35	3	234.6	1712	Α	1	2	With W before 1st sensor	grounding Conf 31		
11.03			Info	2 GEV BEAM			1				-								
	02:38	Szymon, Mikhail	Run	Pedestal Run			198	2157									<u> </u>		
	02:42	Szymon, Mikhail	Run	Energy scan	1048	51030	199	51549	44	2	234.6	1712	Α .	1	2		grounding Conf 31		
	03:03	Szymon, Mikhail	Run	Energy scan	1049	50134	200	50663	44	2	234.6	1712	A	1	2		grounding Conf 31		
	03:23	Szymon, Mikhail	Run	Energy scan	1050	50288	201	50810	44	2	234.6	1712	A	1	2		grounding Conf 31		
	03:43	Szymon, Mikhail	Run	Energy scan	1051	50248	202	50762	44	2	234.6	1712	Α	1	2	With W before 1st sensor	grounding Conf 31		
11.03			Info	6 GEV BEAM			l	2083											
	04:06	Mikhail, Roma	Run	Pedestal Run			203			0									
11.03	04:10	Mikhail, Roma	Run	Pedestal Run	1		205	2100		0	1						l		

					_	EUDAQ	SR			nformation		ele position					position			
Date	Hour	Shifters/Logger	Info type	Additional comment	Run number	Events	Run number	Events	Rate	Energy		Y_pos, [mm]	Conf	B0			Comment	FLAME settings		
				Energy scan - FireDAQ crashed; stopped after	Run number	Events	Kun number	Events	Rate	Ellergy	A_pos, [iiiii]	T_pos, [mm]	Cont	В	В1	BZ	Comment			
11.03	04:13	Mikhail, Roma	Run	~28k events, but Flame .root tree is ok (maybe	1053	27849	206	28151	16	6	234.6	1712	Δ							
11.05	04.15	WIKIIGII, IXOIIIG	Ruii	~2k last events should be rejected from the analysis because of wrong extended TLU)	1000	21040	200	20131	10		254.0	1712	^	1	2	3	With W before 1st sensor	grounding Conf 31		
11.03	04:44	Mikhail, Roma	Run	Energy scan	1054	50049	207	50588	16	6	234.6	1712	Α	-	-	Ü	THE TY DESCRIPTION	grounding com or		
11.03				Energy scan - FireDAQ crashed; the same		20977	208	21185					^							
	05:37	Mikhail, Roma	Run	situation as for run 1053	1055				16	6	234.6	1712	•			-	With W before 1st sensor	grounding Conf 31		
11.03	06:03	Mikhail, Roma	Run	Energy scan - FireDAQ crashed;	1056	12294	209	12429 50641	15	6	234.6	1712	A	1			With W before 1st sensor	grounding Conf 31		
11.03	06:17	Mikhail, Roma	Run	Energy scan  Energy scan - FireDAQ crashed: In fireDAQ	1057	50109	210		16	6	234.6	1712	Α	1	2	3	With W before 1st sensor	grounding Conf 31		
11.03	07:10	Mikhail, Roma	Run	software: come back for isTurnOver = 100	1058	12795	211	12435	17	6	234.6	1712	Α	1	2	3	With W before 1st sensor			
11.03	07:17	Mikhail, Roma	Run	Energy scan	1060	50534	213	51040	17	6	234.6	1712	Α	1	2	3	With W before 1st sensor			
11.03			Info	1 GEV BEAM (if finished before 8:00)																
11.03	08:20	John, Jakub	Run	Pedestal Run	1061		214	~2080			234.6	1712	Α		-		With W before 1st sensor			
11.03	08:30	John, Jakub	Run	Energy scan	1067	50283	217	50786	41	1	234.6	1712	Α		-		With W before 1st sensor			
11.03	08:50	John, Jakub	Run	Energy scan	1068	50795	218	51312	41	1	234.6	1712	A	1	_	-	With W before 1st sensor			
11.03	09:13	John, Jakub	Run	Energy scan	1069	50679	219	51233	41	1	234.6	1712	Α	1	2	3	With W before 1st sensor			
			Info	LUXE Bremsstrahlung set-up																
11.03	09:13	Szymon	Run	Magnet current scan with telescope close to magnet	1075	7999380				5			Α	1	2	3	With W before 1st sensor	<b> </b>		
				Whole day we were setting the setup for the LUXE																
				measurements. LumiCal placed on the further table with 3-6th ALPIDE planes. We put 2 targests														<b> </b>		
12.03				and Jakub slightly reduced the noise by the							LumiCal is mo	oved from table						<b> </b>		
				afternoon of 11.03. The picture of detailed experimental setup is not ready yet, but should							8/11 P1	to 1/X P4						grounding Conf 37 (152-153) lines		
			SETUP	be made and put in public access. 3rd scintilator														in "FLAME and SRS grounding		
11.02	00:12	Bohdan, Lapkin Sasha	Dun	didn't seem to work, and removed for now Pedestal Run			228	~2000			-232 4	-577.9	Α	1	2	3	With W before 1st or	scheme" excel file		
11.03 12.03	~00:28	Sasna Bohdan, Lapkin	Run	LUXE experiment MAGNET ON (200 A)	1125	150613	228	~150000	26	5	-232.4	-577.9	A	1		-	With W before 1st sensor With W before 1st sensor	grounding Conf 37 grounding Conf 37		
12.03	02:05	Bohdan, Lapkin	Run	LUXE experiment. MAGNET ON (200 A)	1126	150500	231	152023	26	5	-232.4	-577.9	Â	1		-	With W before 1st sensor	grounding Conf 37		
12.03	03:44	Bohdan, Lapkin	Run	LUXE experiment. MAGNET ON (200 A)	1127	150342	232	151889	26	5	-232.4	-577.9	A	1		3	With W before 1st sensor	grounding Conf 37		
12.03	05:24	Bohdan, Lapkin	Run	LUXE experiment. MAGNET ON (200 A)	1128	150938	233	152926	26	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 37		
12.03	07:02	Bohdan, Lapkin	Run	Pedestal Run			234	~2000			-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 37		
12.03	07:09	Bohdan, Lapkin	Run	LUXE experiment. MAGNET ON (200 A)	1129	159719	235	161426	26	5	-232.4	-577.9	Α		2	3	With W before 1st sensor	grounding Conf 37		
12.03	08:55	Ruth, Maryna	Run	LUXE experiment. MAGNET ON (200 A)	1130	23951	236	24203	26	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 37		
				Sasha removed the lead target, following runs will														<b> </b>		
12.03				be taken without it, Target configuration: 1st Tungsten target after first two telescope planes, no lead target in between second																
	09:10	Ruth, Maryna	SETUP	planes, no lead target in between second telescope arm														<b> </b>		
12.03	09:10	Ruth, Maryna	Run	Pedestal Run, MAGNET OFF			237	check later			-232 4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 37		
12.03	09:25	Ruth Maryna	Run	Pedestal Run MAGNET OFF			238	2115			-232.4	-577.9	A				With W before 1st sensor	grounding Conf 37		
		,		LUXE experiment. MAGNET OFF, Take data for				101425							-	-				
12.03	08:55	Ruth, Maryna	Run	telescope alignment	1131	100567	239	101423	26	5	-232.4	-577.9	^	1	2	3	With W before 1st sensor	grounding Conf 37		
12.03	09:10	Ruth, Maryna	SETUP	Sasha removed the tungsten target, Target																
	03.10			LUXE experiment. MAGNET OFF, Take data for																
12.03	10:45	Ruth, Maryna	Run	telescope alignment	1132	91443	240	92366	26	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 37		
40.00		Ruth, Maryna	SETUP	Target configuration: Tungsten 90micron before magnet, lead 1.1mm between telescope														<b> </b>		
12.03	11:50	Ruui, Mai yila	SETUP	planes														<b> </b>		
12.03	11:55	Ruth, Maryna	Run	LUXE experiment. MAGNET ON	1133	118301	241	119541	26	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 37		
				LUXE experiment. MAGNET ON, 200 A, increased to 300A after ~25000 events - leaving it		1132375 (last flame TLU the		1143396					^							
12.03	22:18	Sasha, Jakub	Run	for the whole night	1285	(last flame 1LU the same)	247	1143380	38(32)	5	-232.4	-577.9	^	1	2	3	With W before 1st sensor	grounding Conf 37		
		_		Overnight run seems to go smoothly, finishing it,														-		
13.03	07:55	Szymon	Info	and starting new run at the same configuration			0/2				000						Maria Maria and a control of the con			
13.03	08:05	Szymon, John	Run	Pedestal Run			249				-232.4	-577.9	A	1	2	3	With W before 1st sensor	grounding Conf 37		
				Quite high noise levels: F1(5.8), F2(19,5), F3(26.8), SRS1(127), SRS2																
13.03	08:10	Szymon, John	Info	(94), SRS3(55), SRS4(122), SRS5(55), SRS6 (82), SRS7(63), SRS8(85)																
13.03	08:10	Szymon, John	Run	LUXE experiment. MAGNET ON 300A	1286	261895	250	263799	34	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 38		
13.03	10:30	zymon, John, Sash		Playing around with trigger	.200	20.000	2.50		34	,	2.02.7	577.0		•	-		vv bolote lat aeliaul	grounding Julii Ju		
13.03	13:30	zymon, John, Sash		Magnet at 300A.	30	153621	253	155203	33	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 38		
				Modifying trigger and scintillator position. Two																
				extra counters were installed for VETO. Their position, was tuned																
				to veto 5GeV electrons after the magnet with									Α							
13.03	~15:00	zvmon, John, Sash	Info	300A current. For TLU settings see page "scintillator counters".																
13.03	17:00	Sasha	Run	W and Pb targets, 300A magnetr current.	1507	112298	255	112761	32	5	-232 4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 38		
13.03	18:06	Sasha	Run	W and Pb targets, 300A magnetr current.	1508	57088	256	57668	33	5	-232.4	-577.9	A			-	With W before 1st sensor	grounding Conf 38		
13.03	18:39	Sasha	Run	W and Pb targets, 300A magnetr current.	1509	70081	257	70823	32	5	-232.4	-577.9	Α	1	_	3	With W before 1st sensor	grounding Conf 38		
13.03	19:20	Louis, Sasha	Run	W and Pb targets, 300A magnetr current.	1510	80450	258	81276	28	5	-232.4	-577.9	Α	1		3	With W before 1st sensor	grounding Conf 38		
				W and Pb targets, 300A magnetr current. FLAME CRASHED around 60k events!				67675		_			Α							
13.03	20:52	Louis, Sasha	Run		1511	66988	259		31	5	-232.4	-577.9		1			With W before 1st sensor	grounding Conf 38		
13.03	21:29	Mykyta, Bohdan Louis, Sasha	Run Run	W and Pb targets, 300A magnetr current.  W and Pb targets, 300A magnetr current.	1512 1513	117031 73683	260 261	118235 74485	33 33	5	-232.4 -232.4	-577.9 -577.9	A				With W before 1st sensor With W before 1st sensor	grounding Conf 38 grounding Conf 39		
13.03	22.38	Luuis, Sasna	Ruff	W and Pb targets, 300A magnetr current. W and Pb targets, 300A magnetr current. SRS did	1013	13083	201		33	5	-232.4	-5/1/8	^	1	4	J	VVIIII VV DEIDI'E 1St SERSOF	grounding CONT 39		
13.03	23:20	Louis, Sasha	Run	not run.	1514	20000		0	33	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 39		
13.03	23:34	Louis, Sasha	Run	W and Pb targets, 300A magnetr current.	1515	34054	262	34401	33	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 39		
12.02	1800 00-	Louis, Sasha	Run	W and Pb targets, 300A magnetr current. Overmight run	1518	824539	265	833035	33	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 40		
13.03	1.000 00:0	Louis, Sastia	Ruii	Overniigiit turi	1910	024008	200		33	5	-232.4	-511.5			4	3	VVIIII VV DEIDIE 151 SENSOF	grounding Com 40		

						EUDAQ	SF	RS	Beam in	nformation	Lumi Tabl	e position	1		:	Stack	position		
Date	Hour	Shifters/Logger	Info type	Additional comment	Run number	Events	Run number	Events	Rate	Energy	X_pos, [mm]	Y pos, [mm	Conf	В0	B1	B2	Comment	FLAME settings	
14.03	07:50	Ruth, Mykyta	Info	When arrived at TB hut, mmDAQ and EUDAQ not receiving any more triggers (took screenshot of mmDAQ Errors, saved to Desktop of laptop) reason unclear, fireDAQ seems ok stop run at 08: 00, checked rootfiles, OK															
14.03	08:05	Ruth, Mykyta	Run	Pedestal Run, Magnet ON			266	2443			-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 37	
13.03	08:10	Ruth, Mykyta	Run	W and Pb targets, 300A magnet current	1519	93798	267	94737	33	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	08:55	Ruth, Mykyta	Info	restarted fireDAQ and EUDAQ															
14.03	09:00	Ruth, Mykyta	Run	W and Pb targets, 300A magnet current (stopped run, no beam circulating)	1520	-	268	-	33	5	-232.4	-577.9	A	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	09:05	Ruth, Mykyta	Info	DESY control room: Problem with linac, experts are informed, will take >1h to fix , we ramped down the magnet and closed the shutter															
14.03	10:49	Ruth, Mykyta	Info	Copied Telescope data from fhircdatura: /home/teleuser/FCAL/data/ to fhitb21: /home/teleuser/FCAL_data/Telescope															
14.03	10:55	Ruth, Mykyta	Run	Pedestal Run, Magnet ON (300A) (problem with run number, rerun)			269	2005			-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 37	
14.03	11:01	Ruth, Mykyta	Run	Pedestal Run, Magnet ON (300A)			270	2123			-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 37	
14.03	11:07	Ruth, Mykyta	Run	W and Pb targets, 300A magnet current	1522	223054	272	225371	33	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	13:03	Bohdan, Mykyta	Run	W and Pb targets, 300A magnet current Alpide is not working	1523	-	273	-	33	5	-232.4	-577.9	A	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	13.09	Bohdan, Mykyta	Run	W and Pb targets, 300A magnet current	1525	200436	274	202465	30	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	14:56	Bohdan, Mykyta	Run	W and Pb targets, 300A magnet current	1526	135772	275	137101	30	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	16:22	Mykyta, Sasha	Run	W and Pb targets, 300A magnet current. Stopped: no beam since ~16:40	1527	41585	276	42038	30	5	-232.4	-577.9	A	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	17:20	vkyta, Bohdan, Sasi	Info	While the beam was not availabe we measured positions of the setup components															
14.03	17:36	Sasha	Run	W and Pb targets, magnet is off. Alignment.	1528	51071	277	51603	30	5	-232.4	-577.9	Α	1		3		grounding Conf 40	
14.03	18:05	Sasha	Run	Pedestal SRS			278	1600	30	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	18:10	Sasha	Run	W and Pb targets, 300A magnet current	1529	95423	279	96417	30	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	19:04	Sasha	Run	W and Pb targets, 300A magnet current	1530	72929	280	73655	30	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	19:45	Sasha	Run	W and Pb targets, 300A magnet current	1531	67362	281	68038 81737	30	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	20:26	Bohdan, Sasha	Run	W and Pb targets, 300A magnet current	1533		282	81/3/	30	5	-232.4	-577.9	A	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	21:09	Bohdan, Sasha Bohdan, Sasha	Run	ALPIDE 3 did not strat W and Pb targets, 300A magnet current	1535 1536	0 108294	283 284	109416	30	5	-232.4 -232.4	-577.9 -577.9	A	1	2	3	With W before 1st sensor With W before 1st sensor	grounding Conf 40 grounding Conf 40	
14.03	22:10	Bohdan, Sasha	Run	ALPIDE 3 did not strat. Then there were some short test (useless) TLU runs	1537	0	285	109410	30	5	-232.4	-577.9	A	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	22:14	Bohdan, Sasha	Run	W and Pb targets, 300A magnet current	1540	93842	286	94798	30	5	-232.4	-577.9	A	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	23:05	Bohdan, Sasha	Run	W and Pb targets, 300A magnet current	1541	50972	287	51536	30	5	-232.4	-577.9	A	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	23:35	Bohdan, Sasha	Run	Pedestal SRS			288	1761	30	5	-232.4	-577.9	A	1	2	3	With W before 1st sensor	grounding Conf 40	
14.03	23:36	Bohdan, Sasha	Info	Leaving for autopilot for a night			1												
14.03	23:37	Bohdan, Sasha	Run	W and Pb targets, 300A magnet current	1542	1086396	289	1097811	30	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 40	
15.03	09:53	Sasha	Run	W and Pb targets, 300A magnet current	1543	77248	290		30	5	-232.4	-577.9	Α	1	2	3	With W before 1st sensor	grounding Conf 40	
	10:35	Maryna Sasha		TB-21 we completed data taking. Thank you all! :)															

Sensor	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			Sensor pitch [mm]	1.8					
Configuration A	В0	B1	B2						_								(A-) - without firs	st tungsten plate	Sectors angle [deg] / [rad]		0.1308996939				
Configuration B			$\vdash$	B0	B1	B2											(**)	Janes Baran Branc	5 1 2 2 2 2 2 2		scan: 07.03.2020				
Configuration C			$\vdash$				В0	B1	B2										Beam center (channel)	Y position [mm]		X position [mm]	Delta X [mm]	Done	
Configuration D			$\overline{}$	-						В0	B1	B2		_	_	_			63			247.2			
Configuration E										DU		DZ	В0	B1	B2	1	_		60		5.4		0.7		
	_							В0							U.E	_			57		-				
Configuration F			$\vdash$					БО												+			0.7		
			4	for FLA	ME AC	10			20.00.00	100									54		5.4		0.7		
								oning:	J6.U3.2U	120									51				0.7		
				uration A															48		5.4	244.5	0.7		
		_	scan, c	configura	ation B	(500 k	events	each)											42				1.4		
	2a	5 GeV																	36	<del> </del>	10.8	241.7	1.4		
	2b	4 GeV																	30		10.8		1.4		
	2c	3 GeV																	24		10.8	238.8	1.4		
	2d	2 GeV																	18	1711.2	10.8	237.4	1.4		
	2e	1 GeV																	12	1722	10.8	236.0	1.4		
	3	Debug	data, 5	GeV, co	nfigura	ation B	(50 k ev	ents ead	ch)										6	1732.8	10.8	234.5	1.4		
	3a	Raw																	0	1743.6	10.8	233.1	1.4		
	3b			action da	ata														*x calculated here doesn't p	erfectly match with	a center				
	3c			e subtrac		ata																			1
	3d		er data																						
		5 GeV	configu	uration B	low F	E gain.	(100 k	events)											S	tarting scan: 10.0	03.2020				1
				ration C				,										R	Pad number	Channel	Y Position [mm]	Delta Y	X Position	Done	
				uration D														160	19.5	20	1709.2	Delta 1	233.8		
		_		uration E														170	<b>I</b>	14	1709.2	10			
				uration A				oo in fro	ot (E00	k ovon	to)							175	14	11	1719.2	-10 -5	232.483 231.825		
	_	_																							
	9	_		GeV, co	onfigura	ation A	without	tungster	frame	n front	(50 k e	vents e	ach)				_	180	8.4	8	1729.2	-5	231.167		
	9a	Raw																185	5.6	6	1734.2	-5	230.509		
	9b			action da														190	2.9	3	1739.2	-5	229.850		
	9c			e subtrac	ction da	ata												*x calculated he	re doesn't perfectly match with	a center, so we a	djusted with mon	itor. X in the RUN	is in the MainLogl	Book table	
	9d	FIR fil	er data																						
	10	XY sc	ın, 5 Ge	V, config	guratio	n A with	out tun	gsten fra	me in fr	ont (50	0 k eve	ents ead	ch)												
	10a	Scan	ıp / dow	n (larger	/ smal	ller pad:	s), 5(?)	different	position	ıs										Tilting calorim	eter scan: 09.03.	202			Done
	10b	Scan	eft / righ	t (do we	need i	t?)												x_pos	y_pos	x_tilted	y_pos_tilt_2_de	y_tilt_4_deg	y_tilt_6_deg	channel	50.10
																		245.7	1651.8	244.1	1659.8	1667.8	1675.8	51	
																		243	1668	241.9	1676	1684	1692	42	
																		238.7	1700.3	xxx*	1708.3	1716.3	1724.3	24	
	Note:	On 8.03	fixed th	e issue v	with mi	issing la	st ~100	0 events	in Fire	Daq															
																		237.4	1711.3	236.4	1719.3		1735.3	18	
																		*x calculated he	re doesn't perfectly match with	n a center, so we a	djusted with mon	itor. X in the RUN	is in the MainLogl	Book table	
	SNET:																								
TURNING ON THE MA																	1								
TURNING ON THE MA			1 -	, 1							-1			.,			Beam energy			C4	ting LUYE mean	urement: 12.03.2	020 00:12		
			51 530		52		53		54		sigma(	sigma[		Y	dfelta	_X	_				ung LUAE IIIeas	urement. 12.03.2	02.0 00.12	Disco	
ALPIDE:	50				417		461		494					290.4	-		5			SETUP				Placement:	
ALPIDE: NO magnet	483			0		7.29	_	8.04		8.64		4.38		290.4	_		5		-	0mkm/100mkm , n				scope arm, before	
ALPIDE: NO magnet 100A	483 476	0.21	530					-18.06		17.88	166			290.4	11.1		5			Pb 3.5 mm (bad fr		)		elescope planes	
ALPIDE: NO magnet 100A	483 476 479	0.21	530 531	-0.03	784		538	7.71	536	7.98	146			290.4	C		5			al on the further "				32.4 mm, Y = -57	
ALPIDE: NO magnet 100A	483 476	0.21	530		784 534	7.5	000			1	161	4.83	2022	290.4	7.1		5		1	st scintilator (isn't	moved)		Bef	ore 1st telescope	e arn
ALPIDE: NO magnet 100A 100A 200A - 5GeV 200A - 5GeV	483 476 479 477	0.21 -0.09 0.06	530 531	-0.03 0.3				-6.48	756	-6.6	101	4.00	203.3	290.4					1	nd naintilator (ian)t					
ALPIDE: NO magnet 100A 100A 200A - 5GeV 200A - 5GeV	483 476 479 477	0.21 -0.09 0.06	530 531 521	-0.03 0.3 -0.3	534	-6.57	754	-6.48 3.69	756 620	-6.6 4.08				290.4		)	4			nd scintilator (isn't	moved)		Aft	er 1st telescope	arn
ALPIDE: NO magnet 100A 100A 200A - 5GeV 200A - 5GeV 200A - 4GeV	483 476 479 477 477 470	0.21 -0.09 0.06	530 531 521 531	-0.03 0.3 -0.3 0.33	534 753	-6.57 3.54	754	3.69			161	4.83	203.3				3		(It didn't worked. REMOVE		•	A ALPIDE" table			
	483 476 479 477 477 470 464	0.21 -0.09 0.06 0	530 531 521 531 520 513	-0.03 0.3 -0.3 0.33	534 753 635 442	-6.57 3.54	754 631 424	3.69	620 402	4.08	161 156	4.83 4.68	203.3 203.3	290.4	. c	)	3 5				on the "DESY ME	A ALPIDE" table		er 1st telescope	
ALPIDE: NO magnet 100A 100A 200A - 5GeV 200A - 5GeV 200A - 4GeV 200A - 3GeV	483 476 479 477 477 470 464	0.21 -0.09 0.06 0.21 0.18	530 531 521 531 520 513	-0.03 0.3 -0.3 0.33 0.21	534 753 635 442	-6.57 3.54 5.79	754 631 424	3.69 6.21	620 402 749	4.08 6.54	161 156	4.83 4.68	203.3 203.3	290.4 290.4	. c	)	3 5		(It didn't worked. REMOVE	D) 3rd scintilator	on the "DESY ME	A ALPIDE" table	X = 16  Moved to the 1	er 1st telescope 65.7 mm, Y = 26	7.8 mm eate 2nd arm

	Starting LUXE measurement: 12.03.20	020 11:50
	2nd target changed to: Pb 1.1 mm	Between telescope planes of 2nd arm



		Monitor the numer of				GUI)	Log:											Log	
	-	Press "STOP" butto	n when sufficient n	number of data coll	ected.		ScanFile	/home/teleuse	r/FCAL/conf/scan.s	can								Load	Start Scar
							Dedin ne	///o///c/case	iji enejedinjsedins	cui								Loud	Start Sec
king physic	o dota						Run Number	r•		733			0	ne:DataCollecto	r		22269 Events		
ing physic	s data	a:					alpide_0:Pro	ducer:		22179 Events			a	pide_1:Produce	r:		22267 Events		
ore that pede	stal sh	ould be collected. SR	S is operared on to	gc@localhost (grey	/ laptop).		alpide_2:Pro alpide_3:Pro	ducer:		22267 Events 22267 Events			fi	re_producer:Pro pide_4:Produce	ducer:		20950 Events 22267 Events		
		source stop_fec0.sh					aida_tlu:Pro	ducer:		22274 Events			S	dEventMonitor:	Monitor:		2226 Events		
	-	./PllphysicsRunFEC	0.sh				Connections												
	-	./mndaq					type	▲ name	state	connection messag		formation							
	-	source start_fec0.sh	h				DataCollect	or one	RUNNING	tcp://127.0.0 Started	<e< td=""><td>EventN&gt; 22269</td><td><monitorevent< td=""><td>N&gt; 2226.00000</td><td>0 &lt;_SERVER&gt; to</td><td>p://44429</td><td></td><td></td><td></td></monitorevent<></td></e<>	EventN> 22269	<monitorevent< td=""><td>N&gt; 2226.00000</td><td>0 &lt;_SERVER&gt; to</td><td>p://44429</td><td></td><td></td><td></td></monitorevent<>	N> 2226.00000	0 <_SERVER> to	p://44429			
		In the left top come		type- section selection	ct "Physics"		Producer Producer	alpide_0 alpide_1	RUNNING RUNNING	tcp://127.0.0 Started tcp://127.0.0 Started	<e <f< td=""><td>EventN&gt; 22179 EventN&gt; 22267</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></f<></e 	EventN> 22179 EventN> 22267							
	-	Switch to the "Optio					Producer	alpide 2	RUNNING	tcp://127.0.0 Started	<e< td=""><td>EventN&gt; 22267</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></e<>	EventN> 22267							
		-> Fill up the per properly at bo should appea	ottom right of the GI	.g run100.root) and UI (in "footer"). "20	d press "LOAD". Ver 048 channels are loa	rify if loaded aded" message	Producer Producer Producer	alpide_3 alpide_4 aida_tlu	RUNNING RUNNING RUNNING	tcp://127.0.0 Started tcp://127.0.0 Started tcp://127.0.0 Started	<e< td=""><td>EventN&gt; 22267 EventN&gt; 22267 EventN&gt; 22274</td><td><freq. (avg.)="" [<="" td=""><td>(Hz]&gt; 0.665512</td><td><idtrig> 22276</idtrig></td><td>6 <particles> 26</particles></td><td>i328 <run [s]="" duration=""> 33.47</run></td><td>1956 <scaler> 3</scaler></td><td>2439:37551</td></freq.></td></e<>	EventN> 22267 EventN> 22267 EventN> 22274	<freq. (avg.)="" [<="" td=""><td>(Hz]&gt; 0.665512</td><td><idtrig> 22276</idtrig></td><td>6 <particles> 26</particles></td><td>i328 <run [s]="" duration=""> 33.47</run></td><td>1956 <scaler> 3</scaler></td><td>2439:37551</td></freq.>	(Hz]> 0.665512	<idtrig> 22276</idtrig>	6 <particles> 26</particles>	i328 <run [s]="" duration=""> 33.47</run>	1956 <scaler> 3</scaler>	2439:37551
		-> In section -Ra	aw common mode ovalue 3	correction- Mark "C	On" and set "Signal i	in Pedestal	Monitor Producer	StdEventMo fire_produc	on RUNNING er RUNNING	tcp://127.0.0 Started tcp://192.168 Started	<e< td=""><td>EventN&gt; 2226 · EventN&gt; 20950</td><td>&lt;_SERVER&gt; tcp</td><td>//38637</td><td></td><td></td><td></td><td></td><td></td></e<>	EventN> 2226 · EventN> 20950	<_SERVER> tcp	//38637					
	-	Back in main tab, m	ark "Write File" and	d "Monitor" flags ar	nd add comment (e.	g Run for 1 GeV													
		areas button "CTAD			(0)	g													
	-	Only Afterwards p	ress EUDAQ "Start	t" to start the run (-	-> see Taking data	with Flame and													
		Telescope - Standa	rd operating mode)	)															
	-	Stop EUDAQ when	sumicient events ar	re collected															
		Write down the SRS	S event number																
	-	Press "STOP" on S	RS system.																
mentation fa	ault" in	the terminal of SRS (	GUI is a expected b	ehaviour. Anyway	, if other crush appe	ears or just to													
if the tree i	s save	ed correctly, one may bata/FEC0/TB20/Ntup	verify the number o	of events in the roo	t tree that is stored:														
nga omcor	IIAOIL	Datair ECO 1 D20 11tap	no si																
									Storage of	the data files: (ALL DAT)	AICBACK	CURED ON CAL	CHAIC HOOL			-			
										•		NOPED ON SA	SHA S HUU)			_			
							This section e	explains where to om raw data files	find raw data files f	rom the TELESCOPE, FLAMI	E, SRS. And	d people who car	n operate softwar	e to extract the p	hysical				
							IIIIOIIIIatioii III	om raw data mes				Telescope:							
							Computer:					fhircdatura				-			
							Path:		_		/home	e/teleuser/FCAL/	data/			4			
							File format:		-		///onic	.raw	Gatai						
							Who can red	onstruct:	_			Sasha				1			
							. mo can rec					FLAME:				-			
							Computer:					firedag				-			
							Path:		-		/homo/fire-d-	laq/fireDAQ_soft	wara/Data/			+			
							File format:		_		/HOTHE/III eda		ward/Dala/			-			
								onatruat:	_			.root				+			
							Who can rec	onstruct:				Jakub				_			
												SRS							
							Computer:					ocalhost (grey la				4			
							Path:		_	/hom	ne/tgc/Silicon	nTAU/Data/FEC0	J/ I B20/Ntuples/			4			
							File format:					.root				4			
							Who can rec	construct:				Sasha							

Installing 5-th A	Alpide (notes from Yi):									
Thinngs to check i	in software:									
	In file: run_alpide_FCAL_onPort44000  **xterm -T "ALPIDE 5" -e "/home/teleus  #sleep 1	).sh uncomment lines with: ser/FCAL/soft/INSTALL/bin	: n/euCliProducer -n JadeProdu	ucer -t alpide_5" &						
	Check that 5-th plane setup are in alpi [Producer.alpide_5] - IP_ADDR="131.169.133.175" WRITER_NAME="EudaqWriter_v3"	de_FCAL.ini:								
	Check that 5-th plane setup are in alpi [Producer.alpide_5] - EUDAQ_ID=55 EUDAQ_DC=one	de_FCAL_FLAME_beam.c	conf:							
	(OPTIONAL) not to remove events in a one can change the section [DataColla MINIMUN_SUB_EVENT = 6 <- smalle	case hit is absent in one of ector.one] in alpide_FCAL_ r number	f telescope _FLAME_beam.conf:							
	- If telescope is not working ping it by 13	31.169.133.175 from interna	nal comp. to wake him up!							

Run Number	PMT0			PMT1			PMT2			PMT3				Config							
	Voltage	Threshold	Rate		Threshold	Rate	Voltage	Threshold	Rate	Voltage	Threshold	Rate									
	0.89			0.82											00 /=-			20	000	0.15	
			T-4				то.		20	0 100	120	130	150	) 1	60 170	180	19	90	200	210	250
Trigger logic	T0 del	str	T1 del	str	T2 del	str	T3 del	str	Rate	+											
T0	uei	Sti	uei	Su	uei	Su	uei	Su	97	<u></u>											
T1									260												
T0+T1									87	_						_					
T0+!T1									27							_					
!T0+T1									200					300							
T2					(	)	2	0 2		_											
T3					(			0 2	1	_											
T2+T3					(			0 2													
T2+!T3					3	1	2	0 0	39	0				200							
!T2+T3					(	)	8	3 2	26	0											
T1				0 2	2 (	)	2		255	0											
T2				0 2	2 (	)	2		137	0											
T1+T2				1 2	2 (		2		34	_				100							
T1+T2				2 2			5		76												
T1+T2				2 3			6		76	_											
T1+T2				2 2			2		82	_											
T1+!T2				3 2			8		240	_											
T1+!T2				2 2			8		250	_				100		150		200		250	
T1+!T2				5 2			12		210	_											
T1+!T2				5 2			15		210												
!T1+T2				0 15		1	2		. 8	0											
T1+T3 T1+!T2+!T3				5 2 5 2		)		0 15													
T0+T1+!T2+!T3		5 2						0 15													
T0+T1+!12+!13					2 (			0 2			10	) 10	20	1	20 20	20	1	10	6	2	;
10.11.12.10[							-	2		1 Yposition (					20 20	20		10	- U	-	,
T0+T1+T2+T3	2	2 2		2 2	2 (	)	2	0 2			11										
									X:	88.1	86.1	90.1	1 92.3	3	95						
T0+T2	2	2 2			(	)	2		16						54						
										200	190	10	200	)							
									Y:	257.9	255.4	251.7	7 260								
T0+T2	2	2 5	;		(	1	5		52	0											
	2	2 2	!		(	)	2		18		X										
										1 250 A	92.3										
										8 300 A	92.3										
										0 300 A	95.1										
										7 300 A	98.3										
										0 300 A	101										
										0 300 A	101.2										
									40	0 300 A	104.3	5									
											V										
									F 4		Y 260										
										0 300 A 0 300 A	260										
										0 300 A 0 300 A	257										
										6 300 A	260.2										
									49	0 000 A	200.2										

T1+T2	2	5			0		5			520
T0+T1+T2	2	5	2	5			5			472
							-			
T0+T1+!T2	5	2	5	2	0	1	2			610
T0+T1+!T2+!T3	5	2	5	2	C	1	2	0	12	620
T0+T1+!T2+!T3	5	2	5	2	0	1	2	0	12	585
T0+T1+!T2+!T3	5	2	5	2	C	1	0	0	10	610
										750 200
										620 300
										815 400

[1] Probably the settings wre actually different than those in the table, particularly the delay time for the counter 0.