Part												
Part	date	shift	run file	N events	horizontal	ertical	(GeV) MP	comments		Date & Time	Temperature	
March   Marc									Temperatur Log			air temperature, lab thermostat on
Continue										29.10.19 - 22:00	19.7	top of box
Mary 1985   Property										30.11.19 - 14:00	20	
Mary										01.11.19 - 11:00	18.6	
Mary												
March   Marc	uata save patri	C:\Users\vme\Desktop\La	ast version\Run_Data\TestBeam2019\32CH									
March   Marc		#Events	#Channels bold number									
Market   M		4201007	39 163839273									
1985	test beam 2018	1014128	30 30423840									
Column   C	test beam 2017	630000	9 5670000									
1								target 2 -> 4mm Cu, SiPM HV = 58V, MUSIC LV = 6.5V, beam exit collimator: 2x2mm^2, WaveCatcher config:				
	DI 20 40	ell.	1 1 mm0 mml=0 m26 mh16 8 22	10000			200	Testbeam_Run10k_WC16/32, trigger signal 16CH: 4x PMT discriminator Signal in software coincidence, trigger signal 32CH: hardware				
	DI 23.10.	all	2 2 pos0 angle0 e14 ch16 & 32		0	0		Controllence angger				
			3 3_pos0_angle0_e52_ch16 & 32	10000	0		5.2 0					
			4 4_pos1_angle0_e14_ch 16 & 32		160		1.4 1					
					160	160	5.0 1					
			7 7 pos2 angle0 e14 ch 16 & 32	10000	320	320	1.4 2					
10   10   10   10   10   10   10   10			8 8 pos2 angle0 e14 ch 16 & 32	100000	320	320	1.4 2					
			9 9_pos2_angle0_e26_ch 16 & 32			320						
			11 11 pos3 angle0_e14_ch 16 & 32		-320	320	2.6 3					
1			12 12 pos3 angle0 e52 ch 16 & 32	10000	-320	320	5.2 3					
1			13 13 pos2 angle0 e52 ch 16 & 32		320	320	5.2 2					
1			15 15 nos4 angle0_e14_ci1 16 & 32		-160	160	264					
Proceedings			16 16 pos4 angle0 e52 ch 16 & 32	10000	-160	160	5.2 4	Save data on external hard drive				
March			17 17_pos0_angle0_e14_ch 16 & 32	300000	0	0	1.4 0					
Marchine    1	MI 30 10	lan & Julian	18 18 pos5 angle() e14 ch 16 2 22	10000	-160	-160	145	desy table interrace in hut seems to mess with coordinates, recalibrated box coordinates with laser cross, moved telescope back and forth to				
A Monrollon    P. Land Project And 1998   19	55. 10.	aut w vonuit	19 19 pos5 angle0 e26 ch 16 & 32	10000	-160	-160	265					
A Monrollon    P. Land Project And 1998   19			20 20_pos5_angle0_e52_ch 16 & 32	10000	-160	-160	5.2 5	broken interlock to ealry, don't use CH16 measurement!, CH32 fine				
Company   Comp		9 Manianitian		10000		220	F 2 6	to rule out user error, used hut table remote again, result: x-coordinate doesn't scale correctly, recalibrated box coordinates with laser cross,				
Company   Comp		Maximilian	21 21_posb_angle0_e52_ch 16 & 32 22 22_pos6_angle0_e26_ch 16 & 32	10000	-320 -320	-320 -320	2.6 6	moved telescope back and forth to open line of sight for laser				
St.			23 23_pos6_angle0_e14_ch 16 & 32	10000	-320	-320	1.4 6					
1			24 24_pos7_angle0_e14_ch 16 & 32	10000	320	-320	1.4 7					
## April 1   100			25 25_pos7_angle0_e26_ch 16 & 32	10000	320	-320	2.6 7 5.2 7					
## April 1   100			27 27_pos8_angle0_e52_ch 16 & 32	10000	160	-160	5.2 8					
1   1   1   1   1   1   1   1   1   1			28 28 pos8 angle0 e26 ch 16 & 32	10000	160	-160	2.6 8					
1			29 29_pos8_angle0_e14_ch 16 & 32	10000	160	-160	1.4 8	Save data on external hard drive				
State   Stat			31 31 pos9 angle0 e14 ch 16 & 32	10000	160	-510	149					
### 15 # 2 # 2 # 2 # 2 # 2 # 2 # 2 # 2 # 2 #			32 32_pos9_angle0_e52_ch 16 & 32	10000	160	-510	5.2 9					
### PACKS & Materials			33 33_pos10_angle0_e52_ch 16 & 32	10000	204	-404	5.2 10					
### PACKS & Materials			34 34_pos10_angle0_e26_ch 16 & 32 35 35_pos10_angle0_e14_ch 16 & 32	10000	204	-404 -404	2.6 10					
Patrice & Manamillan			36 36 pos11 angle0 e14 ch 16 & 32	10000	310	-360	1.4 11					
Permis A Streember   32 - 32 - 32 - 32 - 32 - 32 - 32 - 32			37 37_pos11_angle0_e26_ch 16 & 32	10000	310	-360	2.6 11					
40 64 (2005 payed) 2-50, 10 6 2 2 5 10 000		Datriel & Manimilian	38 38_pos11_angle0_e52_ch 16 & 32	10000	310	-360	5.2 11	Save data on external hard drive, rotate box by 30 degree				
4 of 1, prof. graphs   20, prof. prof. 20, 20, 200, 200, 200, 200, 200, 200,		Patrick & Maximilian	40 40 nos0 angle30 e26 ch 16 & 32		0							
### 4 # part propriet 4_ min to 30 1000   160 100 1, 160 100   160			41 41 pos0 angle30 e52 ch 16 & 32	10000	0	0	5.2 0					
4. 44 Just Justice 15th 2 1 6 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			42 42_pos1_angle30_e14_ch 16 & 32	10000	140	160	1.4 1					
### 44 # 45 # 45 # 10 # 45 * 5 * 10 * 10 * 10 * 20 * 20 * 20 * 2 * 2 * 2 * 2 * 2 * 2			43 43 pos1 angle30_e26_cn 16 & 32 44 44 pos1 angle30_e52_ch 16 & 32	10000	140	160	5.0 1					
### 44 # 45 # 45 # 10 # 45 * 5 * 10 * 10 * 10 * 20 * 20 * 20 * 2 * 2 * 2 * 2 * 2 * 2			45 45 pos2 angle30 e14 ch 16 & 32	10000	282	320	1.4 2					
### 48 # prod_prod_prof_ of 16 82			46 46_pos2_angle30_e26_ch 16 & 32	10000	282	320	2.6 2					
### Company of the Co			47 47_pos2_angle30_e52_ch 16 & 32			320	5.2 2					
### Company of the Co			49 49 pos3 angle30 e26 ch 16 & 32	10000	-282	320	2.6 3					
5.5 25, pool, agrige 30, 200, poil, 16, 532			50 50_pos3_angle30_e52_ch 16 & 32	10000	-282	320	5.2 3					
Set   Aproximate   1000   140   140   14   150   14   150   14   150   14   150   14   150   14   150   14   150   14   150   14   150   14   150   14   150   14   150   14   150			51 51_pos4_angle30_e14_ch 16 & 32 63 63 pos4_angle 30_e36_ch 16 & 33	10000	-140	160	1.4 4					
Set   Aproximate   1000   140   140   14   150   14   150   14   150   14   150   14   150   14   150   14   150   14   150   14   150   14   150   14   150   14   150   14   150			53 53 pos4 angle30 e52 ch 16 & 32	10000	-140	160	5.2 4					
### Set   Section   Sectio			54 54_pos5_angle30_e14_ch 16 & 32	10000	-140	-160	1.4 5					
## Company of the Com			55 55_pos5_angle30_e26_ch 16 & 32			-160		anno data an automat hand dióna				
5 65 g.p.sd., anyloid, 244, ch 16 8.32 10000 220 320 14 6   6 00 p.p.sd., anyloid, 245 10000 220 320 22 6   6 16 p.p.sd., anyloid, 245 10000 220 320 22 6   6 16 p.p.sd., anyloid, 245 10000 220 320 22 7   6 16 d.p.sd., anyloid, 245 10000 220 320 22 7   6 16 d.p.sd., anyloid, 245 10000 220 320 22 7   6 16 d.p.sd., anyloid, 245 10 8.22 10000 140 100 140   6 00 p.p.sd., anyloid, 245 10 8.22 10000 140 100 140   6 00 p.p.sd., anyloid, 245 10 8.22 10000 140 100 140   7 07 p.p.sd., anyloid, 245 10 8.22 10000 1 140 100 14   8 00 p.p.sd., anyloid, 245 10 8.22 10000 1 140 100 14   9 00 p.p.sd., anyloid, 245 10 8.22 10000 1 140 100 14   9 00 p.p.sd., anyloid, 245 10 8.22 10000 1 140 100 14   9 00 p.p.sd., anyloid, 245 10 8.22 10000 1 140 100 14   9 00 p.p.sd., anyloid, 245 10 8.22 10000 1 140 100 14   9 00 p.p.sd., anyloid, 245 10 1000 20 1 140 100 14   9 00 p.p.sd., anyloid, 245 10 1000 20 1 14   10 p.p.sd., anyloid, 245 10 1000 20 10 14   10 p.p.sd., anyloid, 245 10 1000 20 10 14   10 p.p.sd., anyloid, 245 10 1000 20 10 14   10 p.p.sd., anyloid, 245 10 10 100 14   10 p.p.sd., anyloid, 245 10 10 10 10 14   10 p.p.sd., anyloid, 245 10 10 10 10 14   10 p.p.sd., anyloid, 245 10 10 10 10 14   10 p.p.sd., anyloid, 245 10 10 10 10 14   10 p.p.sd., anyloid, 245 10 10 16 10 14   10 p.p.sd., anyloid, 245 10 10 16 10 14   10 p.p.sd., anyloid, 245 10 10 16 10 14   10 p.p.sd., anyloid, 245 10 10 16 10 10 14   10 p.p.sd., anyloid, 245 10 10 16 10 10 14   10 p.p.sd., anyloid, 245 10 10 16 10 10 14   10 p.p.sd., anyloid, 245 10 10 16 10 10 14   10 p.p.sd., anyloid, 245 10 16 10 10 10 14   10 p.p.sd., anyloid, 245 10 10 16 10 10 10 14   10 p.p.sd., anyloid, 245 10 10 16 10 10 10 14   10 p.p.sd., anyloid, 245 10 16 10 10 10 14   10 p.p.sd., anyloid, 245 10 10 16 10 10 10 10 10 10 10 10 10 10 10 10 10			56 56_pos5_angle30_e52_cn 16 & 32 57 57 pos0_angle30_e14_ch 16 & 32	10000	-140	-160	14 0	save data on external nard drive				
Second paylon   2-85   16   16   3.25   1000   2-82   3.50   2.6   6			58 58_pos6_angle30_e14_ch 16 & 32	10000		-320	1.4 6	<u> </u>				
G2 (22, post _ implicito)_cci_cc_ h1 6 x 32   10000   222   320   2.6 7			59 59 pos6 angle30 e26 ch 16 & 32	10000	-282	-320	2.6 6					
G2 (22, post _ implicito)_cci_cc_ h1 6 x 32   10000   222   320   2.6 7			61 61 nos7 angle30_e52_cfi 16 & 32		-282 282	-320	147					
63 (3) post_registed_etc2_ch 16 & 32   10000   26   32   52 / 64   64   40   63   41   64   64   64   64   64   64   64			62 62_pos7_angle30_e26_ch 16 & 32	10000	282	-320	2.6 7					
66 66 post_anglesion_cdc_cdc_cdc_cdc_cdc_cdc_cdc_cdc_cdc_cd			63 63_pos7_angle30_e52_ch 16 & 32	10000	282	-320	5.2 7					
Company   Comp			64 64_pos8_angle30_e14_ch 16 & 32 65 65_pos8_angle30_e26_ch 16 & 32	10000	-140	160	1.4 8					
DO 31.10. Jan & Julian test several testrum 68 68 p. post 2, angles0, e14, ch 16 8.32 10000 282 0 1 4.1 19 14 15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			66 66_pos8_angle30_e52_ch 16 & 32	10000		160						
DO 31.10. Jan & Julian test several testruns  Patrick & Maximillan 68 88 pos12_ angle30_e14_ch 16 & 32 10000 -282 0 1.4 17  Patrick & Maximillan 68 88 pos12_ angle30_e14_ch 16 & 32 10000 -282 0 2.6 12  70 70 pos12_ angle30_e18_ch 16 & 32 10000 282 0 2.6 12  71 71_ pos13_ angle30_e18_ch 16 & 32 10000 282 0 1.4 13  72 72_ pos13_ angle30_e18_ch 16 & 32 10000 282 0 1.4 13  73 73_ pos13_ angle30_e18_ch 16 & 32 10000 282 0 1.4 13  73 73_ pos13_ angle30_e18_ch 16 & 32 10000 282 0 1.4 13  73 75_ pos13_ angle30_e18_ch 16 & 32 10000 282 0 1.4 13  74 75_ pos14_ angle30_e18_ch 16 & 32 10000 0 407 52.14  75 76_ pos14_ angle30_e18_ch 16 & 32 10000 0 407 52.14  77 77_ pos15_ angle30_e18_ch 16 & 32 10000 0 460 1.4 15  78 78_ pos15_ angle30_e18_ch 16 & 32 10000 0 460 2.6 15  78 78_ pos15_ angle30_e18_ch 16 & 32 10000 0 460 2.6 15  88 98_ pos15_ angle30_e18_ch 16 & 32 10000 0 10 10 1.4 16  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 0 10 10 1.4 17  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 0 10 10 1.4 17  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 0 10 10 1.4 18  87 78_ pos15_ angle30_e18_ch 16 & 32 10000 0 10 10 1.4 18  87 78_ pos15_ angle30_e18_ch 16 & 32 10000 0 10 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 0 1.4 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 0 1.4 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 0 1.4 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 0 1.4 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 0 1.4 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 0 1.4 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 1 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 1 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 1 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 1 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 1 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 1 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 1 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 1 10 1.4 18  88 88_ pos16_ angle30_e18_ch 16 & 32 10000 1 10 1.4 18  8			67 67_pos0_angle30_e14_ch 16 & 32	50000	0	0	1.4 0	500000 was planned, missed one 0				
DO 31-10.   Jan & Julian   test   several testruns   test   several testruns   further analysis by the read script								try to find the reason for missshaped waveforms, changed WaveCatcher Offset, switched off one of two WaveCatchers, used CH32 and				
Patrick & Maximilian 68 88, pos 12, anglis30, e14, ch 16 8.32 10000 - 282 0 1.4 12 6 6 98, pos 12, anglis30, e26, ch 16 8.32 10000 - 282 0 2.6 12 70 70, pos 12, anglis30, e26, ch 16 8.32 10000 - 282 0 5.2 12 71 71, pos 13, anglis30, e14, ch 16 8.32 10000 282 0 5.2 14 73 72, pos 13, anglis30, e14, ch 16 8.32 10000 282 0 5.2 13 73, pos 13, anglis30, e14, ch 16 8.32 10000 282 0 5.2 13 73, pos 13, anglis30, e14, ch 16 8.32 10000 282 0 5.2 13 74 14, pos 14, anglis30, e14, ch 16 8.32 10000 0 407 12, ch 13 41 41 41 75 75, pos 14, anglis30, e14, ch 16 8.32 10000 0 407 12, ch 13 41 41 41 41 41 41 41 41 41 41 41 41 41								CH16 seperatly, no changes in missshaped waveforms, more likely to much light hitting WOMs -> Bad events can now be excluded from				
69 69 pos 12 ampla30 e28 ch 16 8.32 10000 -282 0 2.61 2 70 70 pos 12 ampla30 e28 ch 16 8.32 10000 -282 0 5.21 2 71 71 pos 13 ampla30 e28 ch 16 8.32 10000 282 0 5.21 2 71 72 pos 13 ampla30 e28 ch 16 8.32 10000 282 0 2.61 3 72 72 pos 13 ampla30 e28 ch 16 8.32 10000 282 0 2.61 3 73 73 pos 13 ampla30 e28 ch 16 8.32 10000 282 0 2.61 3 74 75 pos 14 ampla30 e28 ch 16 8.32 10000 0 407 2.61 4 75 75 pos 14 ampla30 e28 ch 16 8.32 10000 0 407 2.61 4 77 77 pos 15 ampla30 e28 ch 16 8.32 10000 0 407 2.61 4 77 77 pos 15 ampla30 e28 ch 16 8.32 10000 0 407 2.61 4 77 77 pos 15 ampla30 e28 ch 16 8.32 10000 0 400 1.15 5 78 78 pos 15 ampla30 e28 ch 16 8.32 10000 0 400 2.51 6 88 88 pos 15 ampla30 e28 ch 16 8.32 10000 0 400 2.51 6 88 88 pos 17 ampla30 e28 ch 16 8.32 10000 0 160 1.17 6 88 88 pos 17 ampla30 e28 ch 16 8.32 10000 0 160 1.17 6 88 88 pos 17 ampla30 e28 ch 16 8.32 10000 0 160 1.17 6 88 88 pos 17 ampla30 e28 ch 16 8.32 10000 0 160 1.17 6 88 88 pos 17 ampla30 e28 ch 16 8.32 10000 0 160 1.17 6 88 88 pos 17 ampla30 e28 ch 16 8.32 10000 0 160 1.17 6 88 88 pos 17 ampla30 e28 ch 16 8.32 10000 0 160 1.17 6 88 88 pos 17 ampla30 e28 ch 16 8.32 10000 0 160 1.17 6 88 88 pos 17 ampla30 e28 ch 16 8.32 10000 0 160 1.17 6 88 88 pos 17 ampla30 e28 ch 16 8.32 10000 0 160 1.17 6 88 88 pos 17 ampla30 e28 ch 16 8.32 10000 0 160 1.40 18 6 82 10000 0 160 1.40 1	DO 31.10.			10000	202		4.4.10	further analysis by the read script				
71 71, pos 13, angle30, e24, ch 16 4, 32 2 10000 282 0 1.4 13 7 72, pos 13, angle30, e25, ch 16 4, 32 10000 282 0 2.6 13 7 73 73, pos 13, angle30, e25, ch 16 4, 32 10000 282 0 2.6 13 7 7 75, pos 14, angle30, e25, ch 16 3, 32 10000 0 407 2.6 14 7 77, pos 15, angle30, e25, ch 16 3, 32 10000 0 407 2.6 14 7 77, pos 15, angle30, e25, ch 16 3, 32 10000 0 407 2.6 14 7 77, pos 15, angle30, e25, ch 16 3, 32 10000 0 400 1.4 15 7 78, pos 15, angle30, e25, ch 16 3, 32 10000 0 400 1.4 15 7 79, pos 15, angle30, e25, ch 16 3, 32 10000 0 400 1.4 15 7 79, pos 15, angle30, e25, ch 16 3, 32 10000 0 400 1.4 15 7 79, pos 15, angle30, e25, ch 16 3, 32 10000 0 400 1.4 15 10 10 10 10 10 10 10 10 10 10 10 10 10		r auton & Maximillan	60 60 pos12 angle30 e26 ch 16 8 22									
71 71, pos 13, angle30, e24, ch 16 4, 32 2 10000 282 0 1.4 13 7 72, pos 13, angle30, e25, ch 16 4, 32 10000 282 0 2.6 13 7 73 73, pos 13, angle30, e25, ch 16 4, 32 10000 282 0 2.6 13 7 7 75, pos 14, angle30, e25, ch 16 3, 32 10000 0 407 2.6 14 7 77, pos 15, angle30, e25, ch 16 3, 32 10000 0 407 2.6 14 7 77, pos 15, angle30, e25, ch 16 3, 32 10000 0 407 2.6 14 7 77, pos 15, angle30, e25, ch 16 3, 32 10000 0 400 1.4 15 7 78, pos 15, angle30, e25, ch 16 3, 32 10000 0 400 1.4 15 7 79, pos 15, angle30, e25, ch 16 3, 32 10000 0 400 1.4 15 7 79, pos 15, angle30, e25, ch 16 3, 32 10000 0 400 1.4 15 7 79, pos 15, angle30, e25, ch 16 3, 32 10000 0 400 1.4 15 10 10 10 10 10 10 10 10 10 10 10 10 10			70 70_pos12_angle30_e52_ch 16 & 32	10000	-282	Ö	5.2 12					
73 73, pos 13, angle30, e124, ch 16 8, 32			71 71_pos13_angle30_e14_ch 16 & 32	10000	282	0	1.4 13					
74 74, pos14, angle30, e26, ch 64 8.32			72 72 pos13 angle30 e26 ch 16 & 32	10000	282	0	2.6 13					
76 78, pos14_ampis0_et2_ch 16 8.32 10000 0 407 15.2 14 77 77, pos15_ampis0_et2_ch 16 8.32 10000 0 460 1.4 15 78 pos15_ampis0_et2_ch 16 8.32 10000 0 460 1.4 15 78 pos15_ampis0_et2_ch 16 8.32 10000 0 460 1.4 15 78 pos15_ampis0_et2_ch 16 8.32 10000 0 1.4 10 1.4 16 1.4 15 1.4 16			74 74 pos14 angle30 e14 ch 16 & 32	10000	202	407	1.4 14					
76 76, pos 14, anglo30, et 2c, ch 16 4, 32 10000 0 407 15, 21 4 77 77, pos 15, anglo30, et 4c, ch 16 4, 32 10000 0 400 14, 15 78 78, pos 15, anglo30, et 4c, ch 16 4, 32 10000 0 400 14, 15 88 98, pos 15, anglo30, et 2c, ch 16 4, 32 10000 0 100 14, 16 81 81, pos 16, anglo30, et 2c, ch 16 4, 32 10000 0 160 15, 21 6 82 82, pos 15, anglo30, et 2c, ch 16 4, 32 10000 0 160 15, 21 6 83 83, pos 17, anglo30, et 2c, ch 16 4, 32 10000 0 160 12, 17 84 44, pos 17, anglo30, et 2c, ch 16 4, 32 10000 0 160 12, 17 84 45, pos 17, anglo30, et 2c, ch 16 4, 32 10000 0 160 160 2c, 17 85 85 85, pos 17, anglo30, et 2c, ch 16 4, 32 10000 0 160 160 2c, 17 85 85 85, pos 17, anglo30, et 2c, ch 16 4, 32 10000 0 160 160 2c, 17 85 85 85, pos 17, anglo30, et 2c, ch 16 4, 32 10000 0 160 160 2c, 17 85 85 85, pos 17, anglo30, et 2c, ch 16 4, 32 10000 0 160 160 2c, 17 85 85 85, pos 17, anglo30, et 2c, ch 16 4, 32 10000 0 160 2c, 17 85 87 87 pos 18 anglo30, et 2c, ch 16 4, 32 10000 1 160 2c, 17 85 87 87 pos 18 anglo30, et 2c, ch 16 4, 32 10000 1 160 2c, 17 85 87 pos 18 anglo30, et 2c, ch 16 4, 32 10000 1 160 2c, 17 85 87 pos 18 anglo30, et 2c, ch 16 4, 32 10000 1 160 2c, 17 85 87 pos 18 anglo30, et 2c, ch 16 4, 32 10000 1 160 2c, 17 85 87 pos 18 anglo30, et 2c, ch 16 4, 32 10000 1 160 2c, 17 85 87 pos 18 anglo30, et 2c, ch 16 4, 32 10000 1 160 2c, 17 85 87 pos 18 anglo30, et 2c, ch 16 4, 32 10000 1 160 2c, 17 85 87 pos 18 anglo30, et 2c, ch 16 4, 32 10000 1 160 2c, 17 85 87 pos 18 anglo30, et 2c, ch 16 4, 32 10000 1 160 2c, 17 85 87 pos 18 anglo30, et 2c, ch 16 4, 32 10000 1 160 2c			75 75 pos14 angle30 e26 ch 16 & 32	10000	ő	407	2.6 14					
79 79, pos 15, angla30, et 24, ch 16 8, 32			76 76_pos14_angle30_e52_ch 16 & 32	10000	0	407	5.2 14	reached table laws or Emit is higher than before relation ( . 550)				
79 79, pos 15, angla30, et 24, ch 16 8, 32			78 78 pos15 angle30_e14_cn 16 & 32 78 78 pos15 angle30_e26_ch 16 & 32	10000	0	-460 -460	2.6 15	reached lable lower y-limit, is migher than defore rotation (~ -550)				
80 80, pos 16, anglis30, e26, th 16 8, 32			79 79_pos15_angle30_e52_ch 16 & 32	10000	0	-460	5.2 15					
81 81 pos 16, angla30, e25, ch 16 8, 32 10000 0 -160 2.6 16 82 82, pos 16, angla30, e25, ch 16 8, 32 10000 0 -160 5.2 16 83 83, pos 17, angle30, e25, ch 16 8, 32 10000 0 160 14.1 17 84 84 pos 17, angle30, e25, ch 16 8, 32 10000 0 160 14.1 17 84 84 pos 16, angle30, e25, ch 16 8, 32 10000 0 100 5.2 17 85 86, pos 16 angle30, e25, ch 16 8, 32 10000 100 5.2 17 85 88, pos 16 angle30, e25, ch 16 8, 32 10000 140 0 148 87 77 pos 18 angle30, e25, ch 16 8, 32 10000 140 0 140 0 148 87 78 pos 18 angle30, e25, ch 16 8, 32 10000 140 0 14			80 80 pos16 angle30 e14 ch 16 & 32	10000	0	-160	1.4 16					
84 84_pos17_angis30_e26c ht 68.32 10000 0 160 2.6 17 85 85_pos17_angis30_e26c ht 68.32 10000 10 160 5.2 17 86 86_pos18_angis30_e26c ht 68.32 10000 140 0 1.4 18 87 87_pos18_angis30_e26c ht 68.32 10000 -140 0 1.4 18 87 87_pos18_angis30_e26c ht 68.32 11000 -140 0 2.6 18 stopped run by hand, missed to switch back numbers from last run			81 81 pos16 angle30 e26 ch 16 & 32	10000	0	-160	2.6 16					
84 44_pos17_angis30_e26; ch 16 8, 32 10000 0 160 2.6 17 85 85_pos17_angis30_e26; ch 16 8, 32 10000 10 65_217 86 86_pos18_angis30_e14c, ch 16 8, 32 10000 140 0 1.4 18 87 87_pos18_angis30_e26; ch 16 8, 32 1000 140 0 2.6 18 87 87_pos18_angis30_e26; ch 16 8, 32 1000 140 0 2.6 18 87 87_pos18_angis30_e26; ch 16 8, 32 1000 140 0 2.6 18 87 87_pos18_angis30_e26; ch 16 8, 32 1000 140 0 2.6 18			83 83_pos17_angle30_e32_ci1 to & 32	10000	0	160	1.4 17					
85 85, pos 17_angla30_e52_ch 16 8, 32 10000 0 160 52.17 86 86_pos 18_angla30_e14_ch 16 8, 32 30000 -140 0 1.4.18 87 87 pos 18_angla30_e26_ch 16 8, 32 11000 -140 0 2.6.18 slopped run by hand, missed to switch back numbers from last run			84 84 pos17 angle30 e26 ch 16 & 32	10000	Ó	160	2.6 17					
87 87 pos18 angle30 e26 ch 16 & 32 11000 -140 0 2.6 18 stopped run by hand, missed to switch back numbers from last run			85 85_pos17_angle30_e52_ch 16 & 32	10000	0	160	5.2 17					
88 88 pos 18 angles 0 42 ch 16 3.2 1000 140 5.2 18			87 87 pos18 angle30_e14_cn 16 & 32	11000				stopped run by hand, missed to switch back numbers from last run				
88 80 ppet9 apple 20 at 4 ch 16 8 32 10000 140 0 1 4 10			88 88_pos18_angle30_e52_ch 16 & 32	10000	-140		5.2 18					
00   00   00   00   00   00   00   00			89 89_pos19_angle30_e14_ch 16 & 32	10000	140	0	1.4 19					

date	shift	run	file	N events	horizontal ve	rtical	GeV) MP	comments	Date & Time	Temperature	
			90 90_pos19_angle30_e26_ch 16 & 32	10000	140	0	2.6 19				
			91 91_pos19_angle30_e52_ch 16 & 32	10000	140	0	5.2 19	save data on external hard drive			
			92 92_pos12_angle30_e14_ch 16 & 32	550000	-282	0					
FR 01.11.	Jan & Julian		93 93_pos12_angle30_e10_ch 16 & 32	10000	-282	0	1.0 12				
			94 94_pos12_angle30_e20_ch 16 & 32	10000	-282		2.0 12				
			95 95_pos12_angle30_e30_ch 16 & 32	10000	-282		3.0 12				
			96 96_pos12_angle30_e40_ch 16 & 32	10000	-282	0	4.0 12				
			97 97 pos12 angle30 e50 ch 16 & 32	10000	-282	0	5.0 12	16 WC switched too early - 9600			
			98 98_pos12_angle30_e60_ch 16 & 32	1500	-282	0		aborted cause took too long			
			50 50_p0812_aligle50_e00_ci110 & 52	1500	-202	U	0.0 12	checked WOM B & C cause of low signals, some LAB inside cover of WOM B and bad optical coupling, recoupled WOM B, WOM C was			
								looking good but was attached to WOM with crack			
			99 99_pos0_angle30_e26_ch 16 & 32	25000	0	0		coning good but was distance to work with class.			
	Jan & Maximilian		100 100_pos0_angle30_e40_ch 16 & 32	25000	0	0	4.0 0				
			101 101_pos0_angle30_e14_ch 16 & 32	25000	0	0	1.4 0				
			102 102_pos20_angle30_e14_ch 16 & 32	15000		-510		hitting WOM D, now it was possible to go below -460 again			
			103 103_pos20_angle30_e26_ch 16 & 32	15000	282	-510	2.6 20				
	& Patrick		104 104_pos21_angle30_e14_ch 16 & 32	15000		-510					
			105 105_pos21_angle30_e26_ch 16 & 32	15000		-510					
			106 106_pos22_angle30_e14_ch 16 & 32	20000		-510					
			107 107_pos22_angle30_e26_ch 16 & 32	20000		-510	2.6 22	Name and the second sec			
	March 2011 - A Bart 11		108 108_pos23_angle30_e14_ch 16 & 32	25000		-510	1.4 23	hitting WOM B			
	Maximilian & Patrick		109 109_pos23_angle30_e26_ch 16 & 32	25000 100000	-290	-510 -320					
			110 110_pos6_angle30_e14_ch 16 & 32	100000	-282 -282	-320 320	1.4 6	and data			
			111 111_pos3_angle30_e14_ch 16 & 32 112 112_pos5_angle30_e14_ch 16 & 32	500000		-160	1.4 3	save data			
SA 02.11.	Alle		112 112_pos5_angle30_e14_cn 16 & 32 113 1 cosmics bv58 ch32	10000	-140	-100	1.4 5	cosmics, triggered on WOM A & B, threshold 6mV			
GA 02.11.	Ulid		113 1_cosmics_bv58_cn32 114 2_cosmics_bv58_ch32	2500	1	- /	11	Cosmics, urggered on wrom A & S, Ulleshold Only			
			114 2_cosmics_bv58_cn32 115 113_pos0_angle30_e14_ch 16 & 32	10000	,	0	1.4 0	59 V bias voltage			
			116 114_pos0_angle30_e26_ch 16 & 32	10000	0		2.6 0	ou v blad vollage			
			117 115 pos0 angle30 e52 ch 16 & 32	10000	0	0					
			118 116_pos1_angle30_e14_ch 16 & 32	10000	140	160	1.4 1				
			119 117 pos1 angle30 e26 ch 16 & 32	10000	140	160	2.6 1				
			120 118 pos1 angle30 e52 ch 16 & 32	10000	140	160	5.2 1				
			121 119_pos4_angle30_e14_ch 16 & 32	10000	-140	160	1.4 4				
			122 120_pos4_angle30_e26_ch 16 & 32	10000	-140	160	2.6 4				
			123 121_pos4_angle30_e52_ch 16 & 32	10000	-140	160	5.2 4				
			124 122_pos5_angle30_e14_ch 16 & 32	10000		-160	1.4 5				
			125 3 cosmics bv59 ch32	35007	1		11	cosmics, threshold 4mV, triggered on WOM A & B			
			126 4 cosmics by59 ch32	180000	1	,	11	cosmics, threshold 4mV, triggered on WOM A			
			127 123 pos5 angle30 e26 ch 16 & 32	7000	-140	-160	2.6 5	econico, unasido 4117, uigarea di 1701171			
			128 5_cosmics_bv59_ch32	32000	140	/	11	cosmic run with beam at some point			
	Heiko & Maximilian		129 124_pos5_angle30_e52_ch 16 & 32	10000	-140	-160		coming this man occur at some point			
			130 125_pos8_angle30_e14_ch 16 & 32	10000		-160	1.4 8				
			131 126_pos8_angle30_e26_ch 16 & 32	10000		-160					
			132 127_pos8_angle30_e52_ch 16 & 32	10000		-160	5.2 8				
			133 128 pos0 angle30 e14 ch 16 & 32	10000	0	0	1.4 0	bias voltage 57V			
			134 129 pos0 angle30 e26 ch 16 & 32	10000	0	0	2.6 0				
			135 130_pos0_angle30_e52_ch 16 & 32	80000	0	0	5.2 0				
			136 131_pos1_angle30_e14_ch 16 & 32	10000	140	160					
			137 132_pos1_angle30_e26_ch 16 & 32	10000	140	160	2.6 1				
			138 133_pos1_angle30_e52_ch 16 & 32	10000	140	160	5.2 1				
			139 134_pos4_angle30_e14_ch 16 & 32	10000	-140	160	1.4 4				
			140 135_pos4_angle30_e26_ch 16 & 32	10000	-140	160	2.6 4				
			141 136_pos4_angle30_e52_ch 16 & 32	10000	-140	160	5.2 4				
			142 137_pos5_angle30_e14_ch 16 & 32	10000		-160	1.4 5				
			143 138_pos5_angle30_e26_ch 16 & 32	10000		-160	2.6 5				
			144 139_pos5_angle30_e52_ch 16 & 32	10000		-160	5.2 5				
			145 140_pos8_angle30_e14_ch 16 & 32	10000		-160	1.4 8				
			146 141_pos8_angle30_e26_ch 16 & 32	10000		-160	2.6 8				
			147 142_pos8_angle30_e52_ch 16 & 32	10000	140	-160	5.2 8	saved data on hard drive			
			148 6_cosmics_bv58_ch32	400000	/	- /	11	Cosmics, triggered on WOM A , threshold 4mV, 58V bias voltage			
SO 03.11.			140 7 coemics bu69 ch22	40000		,	11				
SU 03.11.			149 7_cosmics_bv58_ch32	40000 50000	/	- /	11				
			150 8_cosmics_bv58_ch32	28000	- /	- /	11				
			151 9_cosmics_bv58_ch32								
			152 143_pos14_angle30_e52_ch 16 & 32	10000							
			153 144_pos14_angle30_e26_ch 16 & 32	10000							
			154 145_pos0_angle30_e52_ch 16 & 32	10000							
			155 146_pos0_angle30_e26_ch 16 & 32	10000				War to the first the first of t			
			156 147_pos1_angle30_e26_ch 16 & 32	10000				Wrong binary file name, fixed on folder level			
			157 148_pos4_angle30_e26_ch 16 & 32	10000							
			158 149_pos5_angle30_e26_ch 16 & 32	10000							
			159 150_pos8_angle30_e26_ch 16 & 32	10000							
								Ende der Messungen. Vielen Dank an alle Beteiligten!			