====== Scalers =========													
1 :		472	530		584	900		636	551	443	5		
9:		2	1		1	1	16		3	Θ	0		
17 :		1	Θ		Θ	1		3	1	Θ	Θ		
25 :		1	Θ		Θ	1		3	1	Θ	Θ		
33 :		481	549		566	814		603	505	439	11		
41 :		4	3		1	5		22	2	1	1		
49 :		1	1		Θ	3	3 3		Θ	1	1		
57 :		1	1		1	3		4	Θ	1	1		
65 :		685	865	16	938	6126	1	1118	785	641	63		
73 :		1668	894	. 16	965	6643	1	1190	800	656	63		
81 :		Θ	Θ		Θ	Θ		Θ	0	Θ	Θ		
89 :		5	5			962694		9568	Θ	722	2180040		
97 :		709	851		987	5876		1110	750	658	91		
105 :		L696	881		924	6309 0	1	1199	775	668	91		
113 :		0 0			0		Θ		Θ	Θ	Θ		
121 :	7 9 593		59382	225	958945	226	9423	Θ	703	2178967			
			Datas	(11-)									
1.	10	12	Rates 14	(HZ) == 20		11	9	= 0					
1: 9:	0	0	9	0	14 0	9	9	0 0					
9. 17:	Θ	0	Θ	Θ	0	0	0	0					
25:	0	0	Θ	Θ	0	0	Θ	0					
33:	9	12	12	18	11	11	9	0					
41:	9	0	0	0	0	0	Θ	Θ					
49:	Ö	0	0	0	0	Ö	Θ	Ö					
57:	Θ	0	0	0	0	Ö	Θ	Θ					
65:	15	21	25	133	23	15	14	0					
73:	113	21	26	144	24	15	14	0					
81:	0	0	Θ	0	0	0	0	Θ					
89:	Θ	0	135019		5012	Θ		49537					
97:	14	18	22	129	20	16	14	2					
105:	111	19	23	138	21	16	15	2					
113:	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ					
121:	Θ	Θ		21819		9 0		49537					
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Figure 1: Waiting for 10 Sec to calculate rates in Hz. First scaler: the line of 1 and line of 9 belong to the 1st NIM-ECL module ch 1-16 (line of 33 and line of 41 for another helicity state). The line of 7 and line of 25 belong to the 2nd NIM-ECL module ch 1-16 (line of 49 and line 57 for another helicity state). The second scaler module: the line of 65 and line of 73 belong to the 3rd (line of 97 and line of 105 for another helicity state) NIM-ECL module ch1-16; the line of 81 and line of 89 belong to the 4th NIM-ECL (line of 113 and line of 121 for another helicity state) module ch1-16. Starting from the last channel and going backwards are: 100 kHz clock, T8 (S1 & S2) trigger, T9 (gas-cherenkov) trigger, 10 kHz pulser, floor scint signal, and BCM, respectively.

Slee	ping	for	300	sec

==	====== Scalers ========												
1	:	3	346	4023	4	226	5604	4	1049	3608	3106	65	
9	:		16	30		17	24		139	20	18	5	
17	:		3	8		11	9		22	7	3	2	
25	:		7	11		12	9		24	8	4	2	
33	:	3	312	3944	. 4	150	5680	4	1241	3598	3015	77	
41	:		23	25		21	36		146	31	14	10	
49	:		5	2		13	14		36	5	5	2	
57	:		8	5		13	15		38	7	6	3	
65	:	4	990	6277	7	647	42462	7	7688	5312	4556	554	
73	:	94	745	6815		900	45607	8	3250	5397	4618	554	
81	:		Θ	Θ		0	Θ		Θ	Θ	Θ	Θ	
89			53		41384		6828381	1508		2		14909653	
97			940	6222		456	42653		7946	5385	4485	579	
105		94	754	6775			45937	8	3562	5472	4583	579	
113			Θ	Θ		Θ	Θ		Θ	Θ	Θ	Θ	
121	:		69	82	41384	696	6829063	1508	3476	2	5059	14909838	
				Dates	/U=\								
1:		11	===== 13	13	18	13	11	10	= 0				
9:		0	0	0	0	0	0	0	0				
17:		0	Θ	0	0	0	0	0	0				
25:		0	0	0	9	0	0	0	0				
33:		10	13	13	18	14	11	9	0				
41:		0	0	0	0	0	0	0	0				
49:		0	0	O	0	0	Θ	Θ	0				
57:		0	Θ	Θ	0	Θ	0	Θ	0				
65:		16	20	25	140	25	17	15	1				
73:		315	22	26	151	27	17	15	1				
81:		0	Θ	Θ	0	0	0	Θ	Θ				
89:		Θ	Θ	137268	22649	5003	3 0	16	49454				
97:		16	20	24	141	26	17	14	1				
105		315	22	25	152	28		15	1				
113:		Θ	0	0	Θ		9 0	Θ	0				
121:		Θ	0	137298	22656	500	94 0	16	49465				
		adaq15					e]\$[
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Figure 2: Waiting for 300 Sec to calculate rates in Hz. We see raw hits everywhere (except the line of 81 and its other helicity counterpart - line of 113), why don't we see a non-zero rate for channels that show 0 Hz? Also for waiting longer time for averaging did not help to see the low rate-values (which always appear to be zero). Both figures (fig 1 and 2) were taken when there was no beam trip at all.

		Scal	ers =			==						
1:		154	142	2	190	221		173	188	143	5	
9 :		1	1	L	3	3		7	1	1	0	
17 :		1	e		2	2		0 1	0	0	0	
25 :		1	e		2	2			0	0	0	
33 :		155	197		199	226		177	162	139	1	
41 :		1	1		2	3		5	1	0	0	
49 :		1	1		1	1		2	0	0	0	
57 :		1	1		1	1		2	0	0	0	
65 :		195	194		266	1502		285	234	188	21	
73 :		197	208		274	1643		305	235	187	21	
81 :		0	0		0	700		0	0	0	645770	
89 :		3	246		3811	790		5343	1	46	645778	
97 : 105 :		200 201	246		288 302	1548 1658			207 207	194 197	23 23	
113 :		0		252 0		1056			0	197	0	
121 :		2	2		0 3933	784		5561	0	54	647937	
121 .		2			3333	704	0	3301	U	34	04/33/	
			Rates	(Hz) =				=				
1:	11	10	13	17	13	14	10	0				
9:	0	0	0	0	0	0	0	0				
17:	0	0	0	0	0	0	0	0				
25:	0	0	0	0	0	0	0	0				
33:	11	16	16	17	13	12	10	0				
41:	Θ	0	0	0	0	0	0	0				
49:	0	0	0	0	0	0	0	0				
57:	0	0	0	0	0	0	0	0				
65:	14	14	19	115	21	17	13	1				
73:	15	15	19	127	23	17	13	1				
81:	0	0	0	-0	. 0	0	0	0				
89:	0	0	821	76	4977	0		49186				
97:	14	19	23	116	22	15	14	1				
105:	14		24	124	23	15	15	1				
113:	0		0	0	0	0	0					
121:	0		833	74	5010	, O	4	49520				
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Sleeping for 10 sec

Figure 3: Scaler reading when the target was empty and there was no beam. Its showing a cosmic rate. In the previous two figures, the target was polarized He3, and the beam was 13.5 uA.