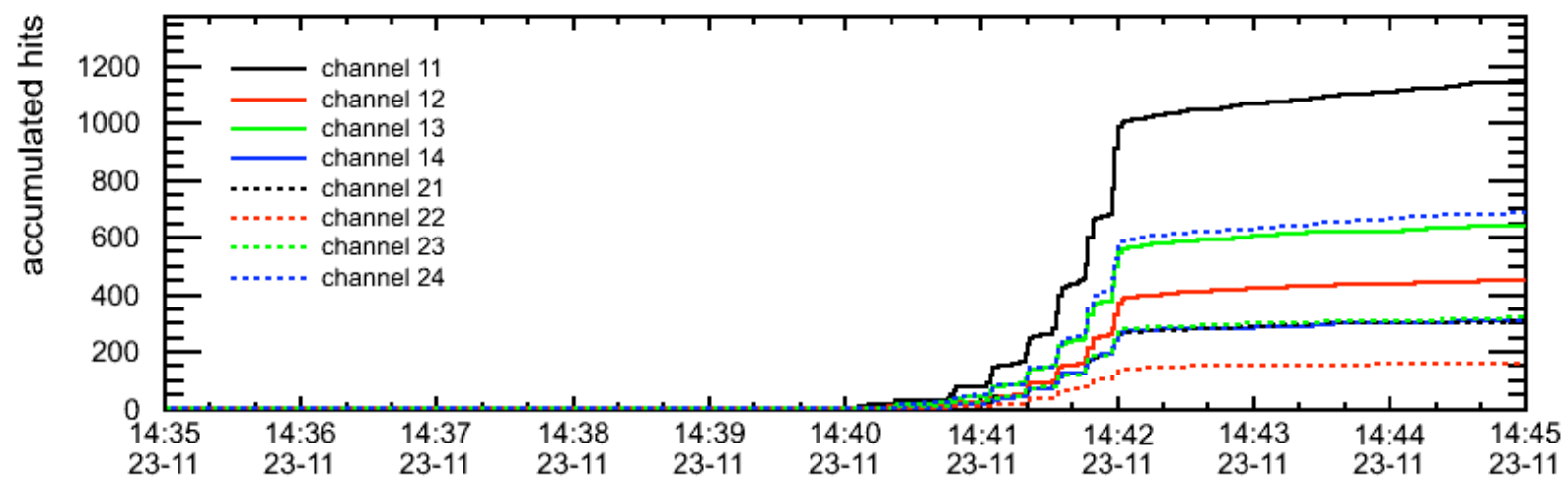
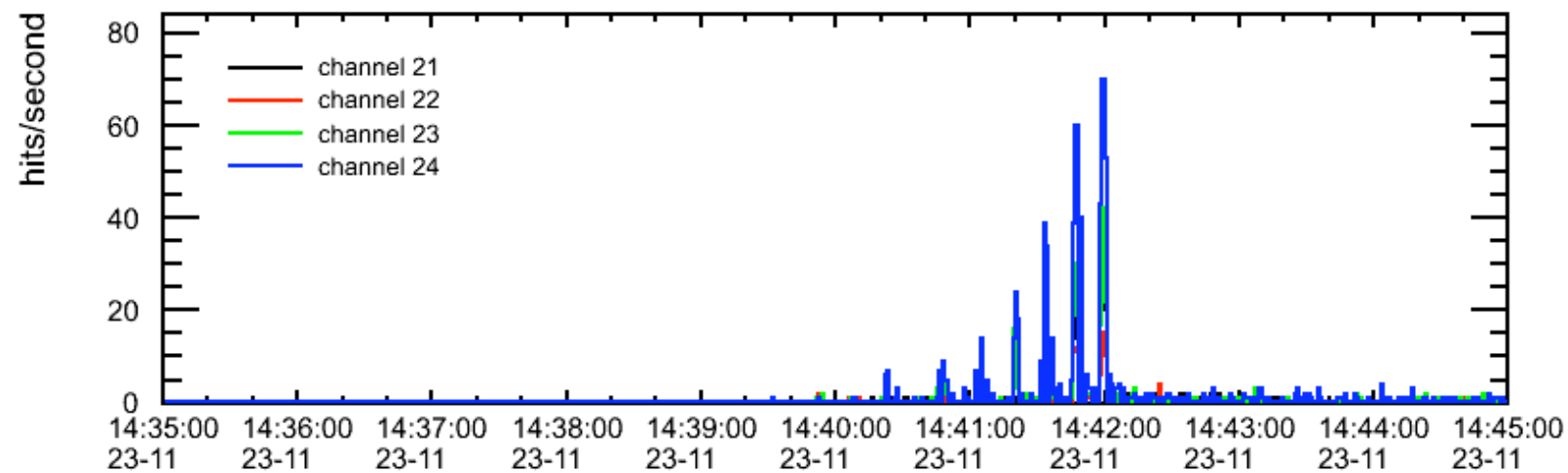
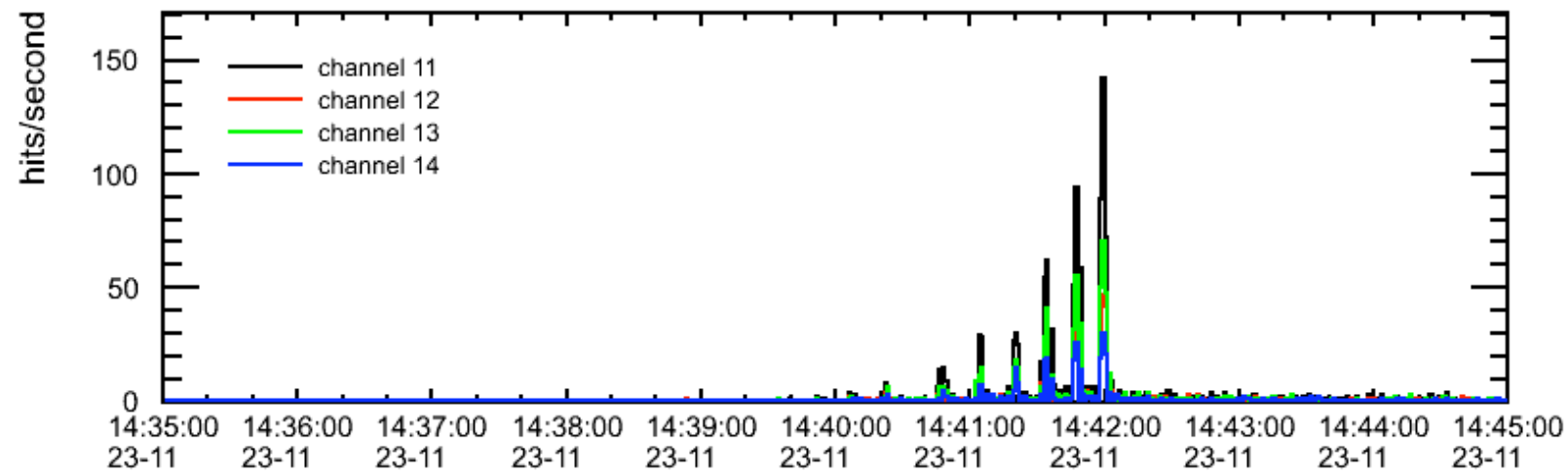


BCMIF first results

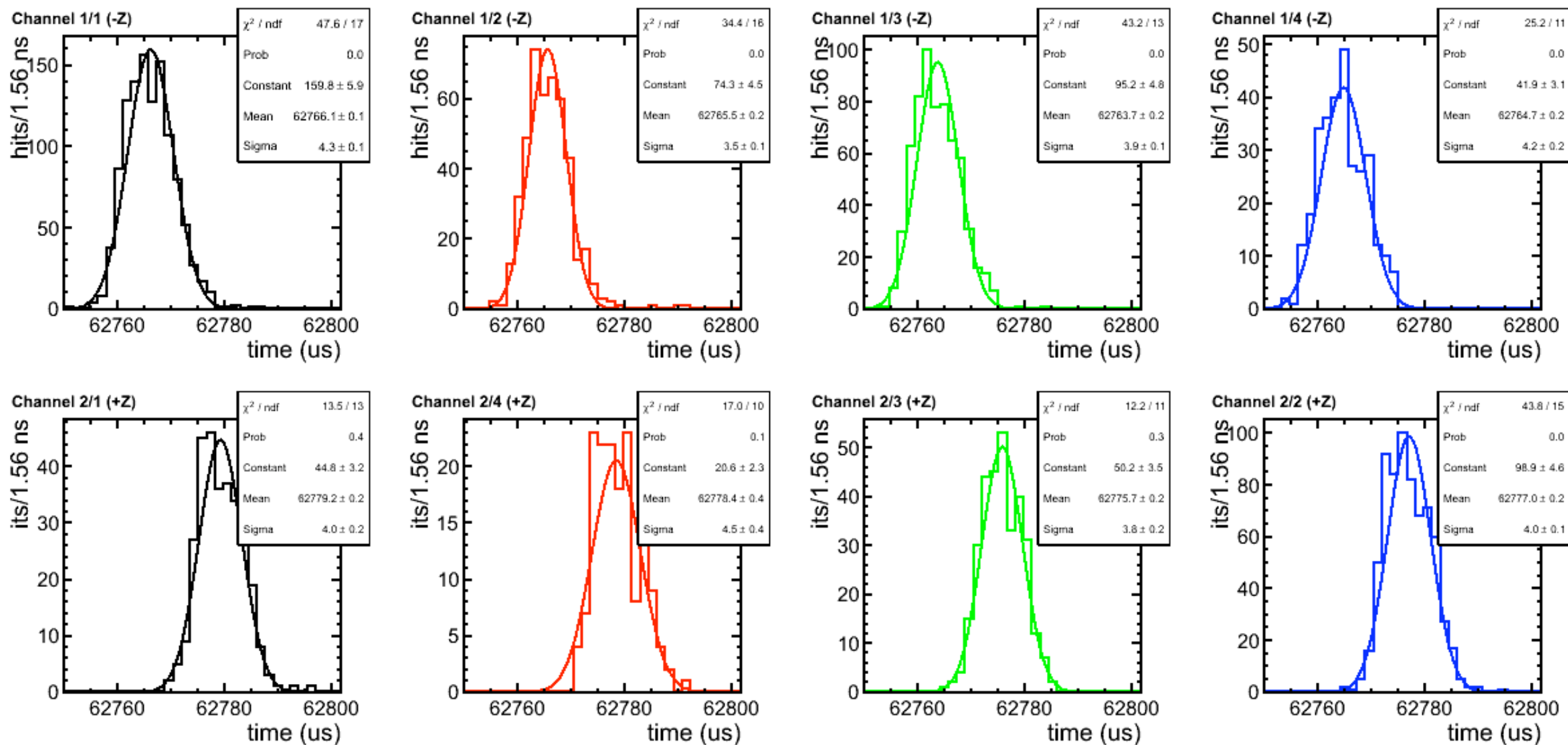
Roberval Walsh
DESY

*CMS Hamburg-DESY meeting
16.12.2009*

23.11.2009 Beam2 loss



23.11.2009 Beam2 loss



Time of flight (expected 12ns)

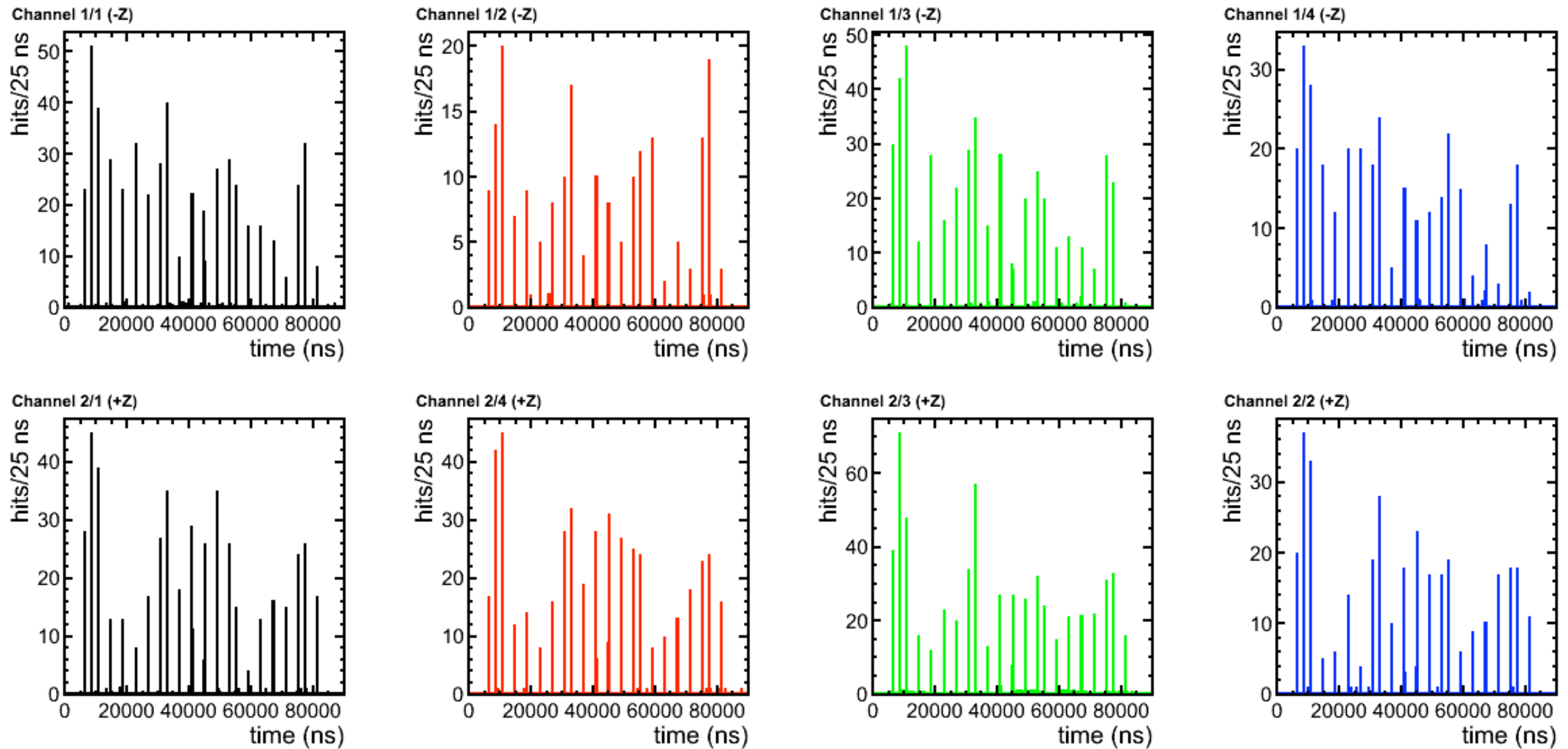
I/1 - 2/1 : 13.1 ± 0.2 ns

I/2 - 2/4 : 11.5 ± 0.4 ns

I/3 - 2/3 : 12.0 ± 0.3 ns

I/4 - 2/2 : 13.7 ± 0.3 ns

14-15 Dec 16x16 bunches



14-15 Dec 16x16 bunches

time(ns)-	bunch#	(beam)	- beam = *	= collision
6250	1	(*)		
8750	101	(*)		
10775	182	(*)		
14725	341	(2)		
18775	503	(2)		
22825	665	(2)		
26850	827	(2)		
30975	992	(*)		
33000	1073	(*)		
37050	1235	(1)		
40925	1391	(2)		
41100	1397	(1)		
44975	1553	(2)		
45125	1559	(1)		
49025	1715	(2)		
49175	1721	(1)		
53225	1883	(*)		
55225	1964	(*)		
59200	2123	(2)		
63250	2285	(1)		
67300	2447	(1)		
71325	2609	(1)		
75450	2774	(*)		
77475	2855	(*)		
81525	3017	(1)		

- time with respect to the orbit trigger signal