



CLUSTER DETECTOR TEST REPORT

CLUSTER DETECTOR No. 14
Test carried on 08.12.11 – 09.12.11

Ch.	HEX	U _{op} [V]	U _{op} – 500 V		U _{op}			
			FWHM [keV]	$\frac{FWTM}{FWHM}$	1332 keV			122 keV
					FWHM [keV]	$\frac{FWTM}{WFHM}$	Pos. [Ch.]	FWHM [keV]
A	123	3500	2.02	n.c.	1.96	n.c.	6119	
B	171	4000	1.95	n.c.	1.91	n.c.	6481	
C	87	4000	2.07	n.c.	1.94	n.c.	6029	
D	33	4000	1.99	n.c.	1.96	n.c.	6218	
E	71	4000	1.97	n.c.	1.96	n.c.	6504	
F	86	4000	2.02	n.c.	1.96	n.c.	6150	
G	84	4000	1.95	n.c.	1.88	n.c.	6858	

Operational Temperature: -181.3 °C

Date: 09.12.2011

Tested by:
/I.kojouharov/

Assembly and test remarks:

Regular test after assembly at RIKEN

Test Equipment:

HV – ORTEC 660

Main Amplifier – ORTEC 671, $\tau = 6 \mu\text{s}$, Gain 100 x 0.72

ADC – 4801A (RIKEN), MCA - PC98B

Source - ^{60}Co