

	A	D	E	F	G	M	Y	AR	AT	AU	BG	BH	BI	BJ	BK	BL	BM
1	Detector					Photomultiplier tube				NDE202 (PSD unit)							
2	Position of the center of the detector segment					Channel on Caen HV unit	High voltage [V]	CFD threshold [mV] measured on the BARTEK unit with a Voltmeter except 2014-07-14 J and K				Separation Delay (SD) [mV]					
3								Detector segment number	Detector type	r [mm]	θ[deg]	φ[deg]	2014-10-09	2014-07-14	2014-07-14	2014-07-14	2014-10-12 before adjustment, at ~12:14:00
4	G	I	J	K [keV]	H		I										
5	0	H1	510	46.830	352.843	0.00	-1960	-9.2	-61	22	-1633	-1624	9	-1614	10	-1614	0
6	1	H1	510	57.210	359.593	0.01	-1500	-9.2	-71	25	-1638	-1638	0	-1627	11	-1627	0
7	2	H1	510	47.200	7.061	0.02	-1780	-11.2	-62	22	-1632	-1632	0	-1622	10	-1622	0
8	3	H2	510	46.784	27.087	0.03	-1425	-11.2	-70	25	-1648	-1648	0	-1637	11	-1637	0
9	4	H2	510	47.210	44.824	0.04	-1510	-6.4	-44	16	-1670	-1644	26	-1634	10	-1634	0
10	5	H1	510	46.830	64.843	0.05	-1660	-6.4	-74	26	-1667	-1660	7	-1650	10	-1650	0
11	6	H1	510	57.210	71.593	0.06	-1260	-10.8	-62	22	-1627	-1611	16	-1603	8	-1603	0
12	7	H1	510	47.200	79.061	0.07	-1445	-10.8	-70	25	-1656	-1656	0	-1647	9	-1647	0
13	8	H2	510	46.784	99.087	0.08	-1580	-8.7	-72	26	-1671	-1660	11	-1647	13	-1647	0
14	9	H2	510	47.210	116.824	0.09	-1520	-8.7	-74	26	-1640	-1640	0	-1626	14	-1626	0
15	10	H1	510	46.830	136.843	0.10	-1760	-8.2	-69	25	-1644	-1644	0	-1633	11	-1633	0
16	11	H1	510	57.210	143.593	0.11	-1660	-8.2	-58	21	-1677	-1677	0	-1666	11	-1666	0
17	12	H1	510	47.200	151.061	0.12	-1515	-7.7	-62	22	-1631	-1631	0	-1621	10	-1622	-1
18	13	H2	510	46.784	171.087	0.13	-1620	-7.7	-59	21	-1622	-1604	18	-1595	9	-1595	0
19	14	H2	510	47.210	188.824	0.14	-1460	-10.9	-66	24	-1650	-1650	0	-1640	10	-1640	0
20	15	H1	510	46.830	208.843	0.15	-1400	-10.9	-73	26	-1627	-1627	0	-1617	10	-1617	0
21	16	H1	510	57.210	215.593	2.00	-2140	-13.3	-72	26	-1627	-1627	0	-1618	9	-1618	0
22	17	H1	510	47.200	223.061	2.01	-1333	-13.3	-81	29	-1636	-1636	0	-1627	9	-1627	0
23	18	H2	510	46.784	243.087	2.02	-1800	-8.6	-64	23	-1634	-1634	0	-1625	9	-1625	0
24	19	H2	510	47.210	260.824	2.03	-1705	-8.6	-88	31	-1624	-1624	0	-1615	9	-1615	0
25	20	H1	510	46.830	280.843	2.04	-1660	-10.0	-73	26	-1645	-1645	0	-1635	10	-1635	0
26	21	H1	510	57.210	287.593	2.05	-1580	-10.0	-77	28	-1631	-1631	0	-1622	9	-1622	0
27	22	H1	510	47.200	295.061	2.06	-1760	-12.4	-71	25	-1645	-1645	0	-1635	10	-1635	0
28	23	H2	510	46.784	315.087	2.07	-1560	-12.4	-75	27	-1634	-1634	0	-1624	10	-1624	0
29	24	H2	510	47.210	332.824	2.08	-1465	-11.2	-71	25	-1630	-1630	0	-1621	9	-1621	0
30	25	H1	510	30.301	0.000	2.09	-1415	-11.2	-88	31	-1686	-1686	0	-1675	11	-1676	-1
31	26	H2	510	34.866	36.000	2.10	-1340	-11.1	-57	20	-1675	-1657	18	-1648	9	-1648	0
32	27	H1	510	30.301	72.000	2.11	-1640	-11.1	-87	31	-1624	-1624	0	-1614	10	-1614	0
33	28	H2	510	34.866	108.000	2.12	-1605	-11.0	-73	26	-1600	-1590	10	-1580	10	-1580	0
34	29	H1	510	30.301	144.000	2.13	-1600	-11.0	-71	25	-1595	-1595	0	-1585	10	-1585	0
35	30	H2	510	34.866	180.000	2.14	-1550	-11.6	-68	24	-1616	-1616	0	-1607	9	-1607	0
36	31	H1	510	30.301	216.000	2.15	-1700	-11.6	-80	29	-1628	-1628	0	-1618	10	-1618	0
37	32	H2	510	34.866	252.000	4.00	-1410	-13.6	-68	24	-1636	-1623	13	-1613	10	-1613	0
38	33	H1	510	30.301	288.000	4.01	-1560	-13.6	-	-	-1621	-1603	18	-1594	9	-1594	0
39	34	H2	510	34.866	324.000	4.02	-1705	-11.5	-73	26	-1660	-1660	0	-1650	10	-1650	0
40	35	H1	510	18.540	344.737	4.03	-1700	-11.5	-87	31	-1645	-1645	0	-1635	10	-1636	-1
41	36	H1	510	18.540	15.268	4.04	-1680	-11.4	-66	24	-1624	-1611	13	-1602	9	-1603	-1
42	37	H1	510	18.540	56.732	4.05	-1720	-11.4	-74	26	-1653	-1653	0	-1644	9	-1644	0
43	38	H1	510	18.540	87.268	4.06	-2010	-11.4	-70	25	-1652	-1631	21	-1622	9	-1622	0
44	39	H1	510	18.540	128.732	4.07	-1680	-11.4	-63	23	-1652	-1652	0	-1642	10	-1642	0
45	40	H1	510	18.540	159.268	4.08	-1570	-9.4	-66	24	-1648	-1640	8	-1631	9	-1631	0
46	41	H1	510	18.540	200.732	4.09	-1660	-9.4	-68	24	-1643	-1643	0	-1634	9	-1634	0
47	42	H1	510	18.540	231.268	4.10	-1540	-11.3	-65	23	-1677	-1677	0	-1668	9	-1668	0
48	43	H1	510	18.540	272.732	4.11	-1510	-11.3	-87	31	-1665	-1665	0	-1656	9	-1656	0
49	44	H1	510	18.540	303.268	4.12	-1560	-13.9	-85	30	-1650	-1635	15	-1626	9	-1626	0
50	45	P	510	6.897	324.000	6.00	-2365	-8.3	-61	22	-1608	-1608	0	-1598	10	-1598	0
51	46	P	510	6.897	36.000	6.01	-2396	-8.3	-73	26	-1649	-1649	0	-1640	9	-1640	0
52	47	P	510	6.897	108.000	6.02	-2385	-8.3	-61	22	-1648	-1648	0	-1638	10	-1638	0
53	48	P	510	6.897	180.000	6.03	-2400	-12.4	-71	25	-1645	-1645	0	-1635	10	-1636	-1
54	49	P	510	6.897	252.000	6.04	-2400	-12.4	-76	27	-1650	-1637	13	-1628	9	-1628	0
55	SUM	50	50	50	50		50	50	49	49	50	50		50	50	50	50
56	AVG		510	35	180		-1683	-11	-71	25	-1642	-1637		-1628	10	-1628	0
57	STDEV		0	16	105		288	2	9	3	20	20		20	1	20	0
58	MIN		510	6.9	0		-2400	-13.9	-88	15.71	-1686	-1686		-1675	8	-1676	-1
59	MAX		510	57.21	359.59		-1260	-6.4	-44	31.43	-1595	-1590		-1580	14	-1580	0
60																	
61	Cells marked grey: changed since previous date																
63	Cells marked green: maximum values																
64	Cells marked yellow: minimum values																

- AQ3: These values were noted by Aurore 2012-01-24 – see Nwall logbook.
- AJ4: These values were written down 18 May 2006 before any changes were done for the 67Se experiment. These were the settings since middle of Oct 2005 when Darek Wolski visited GANIL and changed the values from the settings of 2005-07-16.
- AT4: These values were measured by Grzes by sending the anode signals to the oscilloscope (terminated in 1 MOhm) then via a lemo-T connector to the input of the NDE202 unit and by triggering the oscilloscope with the CFD output.
- AU4: The values in the previous column converted to keV using a calibration of 2.8 keV/mV and assuming 0 keV = 0 mV (there is no DC offset on the anode signals). The calibration was obtained by measuring the amplitude of the anode signal with an oscilloscope with 50 Ohm termination (the NDE202 input is also terminated in 50 Ohm) viewing the 137Cs Compton edge at 0.5 MeV. The Compton edge was at about 1.4 V for all HEX detectors (0-44). No measurement of the Compton edge was done for the PENT (45-49). Note: the accuracy of this rough energy calibration is not so good, estimated to be +/-20%.
- BA4: Check of thresholds done 2006-06-07 14:00, before 103Sn experiment.
- U11: The HV value for #6 was -1303 V in Jan 2012 when HV supply was switched on. The value -1330 V is probably a typo and it was likely -1303 V also in 2009.
- AQ37: Threshold changed from -12.3 to -13.4 by Aila and Johan 2012-01-30. Slightly too high count rate before.
- I38: The PM tube of this detector segment was most likely changed from 9319 to 9296 during the change of scintillator liquid done in Oct 2007. At least this is the information JN got from Sten Leven after the repair. Note: The label on the PM tube holder on the segment still says 9319!
- K38: 2014-10-07/JN: when changing the PMT of this detector we verified that the s/n was indeed 9296 (not 9319).
- L38: 2014-10-07/JN: the PMT was changed from s/n 9296 to one called PMT#3. The Photonis s/n of PMT#3 is not known. PMT#3 was given this name when it was used for NEDA tests at LNL 2012-2014. Shipped back to GANIL by Grzes 2014-10-06.
- AT38: Could not be measured because the HV was tripping all the time.
- AQ51: Threshold changed from -6.6 to -9.6 by Aila and Johan 2012-01-30. Slightly too high count rate before.