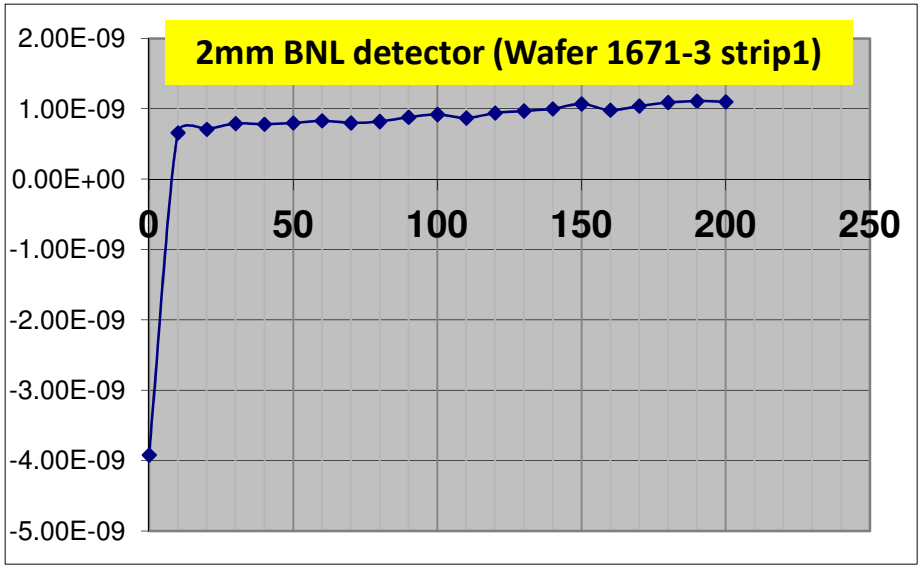
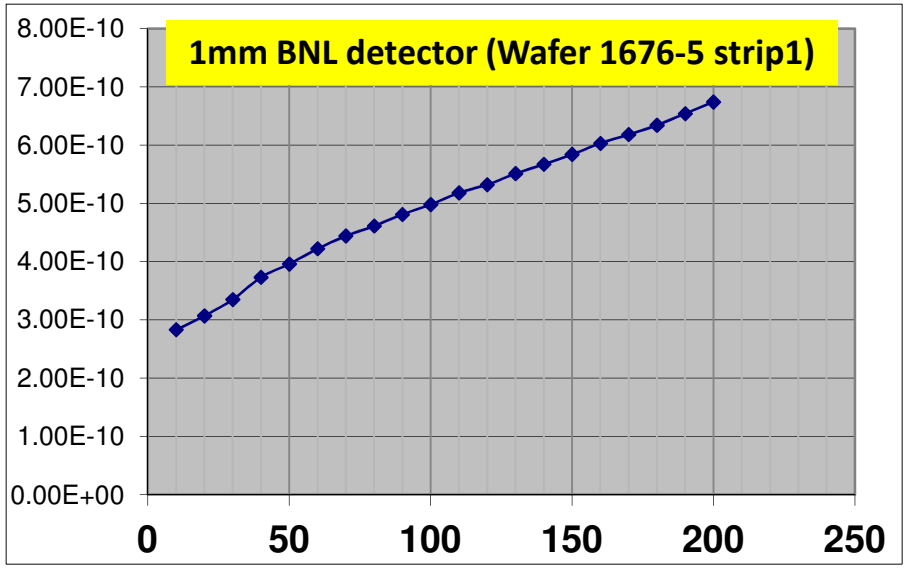
V-I characteristic of the detector without ceramic board



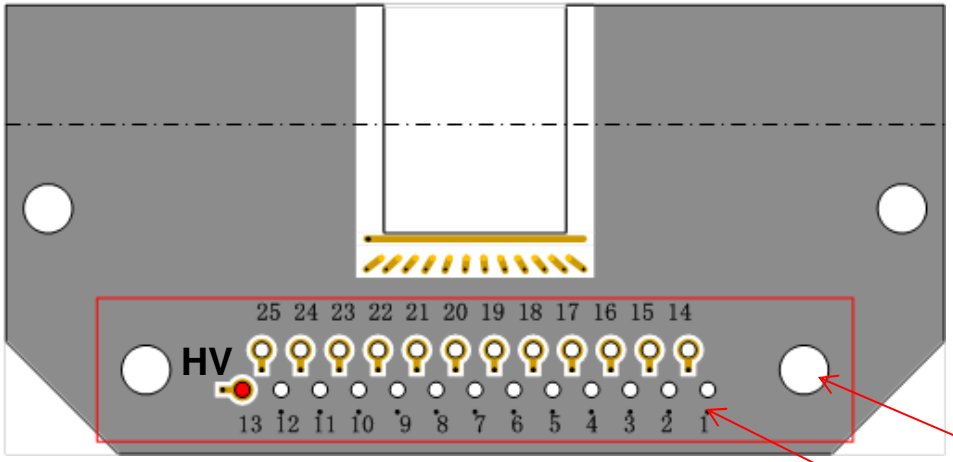


Dark current of the detector with ceramic board

Det.	Description	Pins	HV	Dark Current, nA												Alpha
				1	2	3	4	5	6	7	8	9	10	11	12	
1mm BNL detectors with a new ceramic board																
1676-4	BNL-1mm new	short	150	0.6	0.9	1.2	1.2	1.5	1.0	1.2	1.0	1.0	1.0	0.9	0.6	OK all chs
1676-5	BNL-1mm new	short	150	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.6	OK all chs
1676-6	BNL-1mm new	short	150	0.3	0.8	0.7	1.6	0.8	0.7	0.7	1.0	0.9	0.9	0.9	0.6	OK all chs
2mm BNL detectors before run-2011 in RHIC																
1671-7	BNL-2mm new	short	150	0.3	0.3	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	OK all chs
1671-3	BNL-2mm new	short	150	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	OK all chs
1671-6	BNL-2mm new	short	150	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	OK all chs
1669-4	BNL-2mm new	short	150	0.3	0.3	0.3	0.3	0.3	2.6	0.3	0.3	0.3	0.3	0.2	0.3	OK all chs
2mm BNL detectors after run-2011 in RHIC																
1671-3	BNL-2mm new	short	150	159	161	152	152	142	141	154	162	187	165	165	162	OK all chs
1669-4	BNL-2mm new	short	150	157	161	159	148	125	135	159	156	158	162	163	159	OK all chs
1671-6	BNL-2mm new	short	150	165	168	164	162	162	163	167	168	159	166	169	167	OK all chs
1671-7	BNL-2mm new	short	150	159	162	161	158	148	134	118	122	280	280	145	142	2ch amp/2

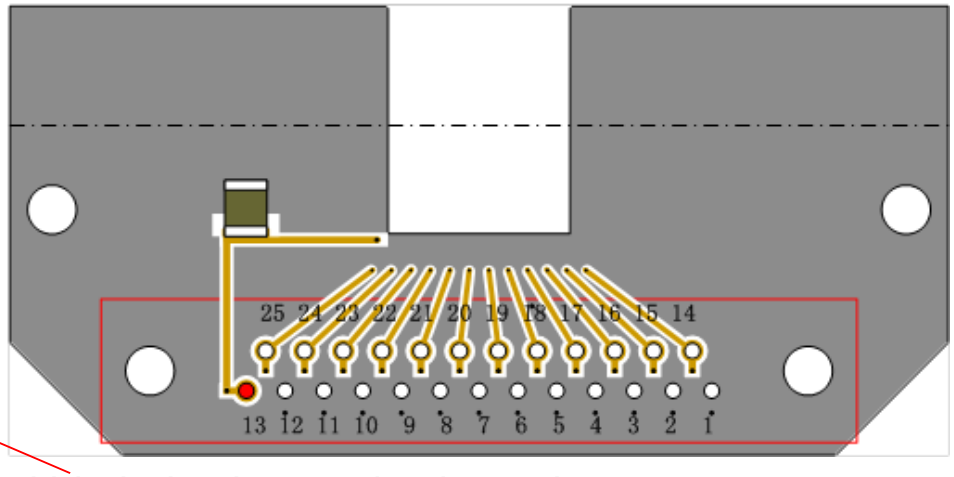
Ceramic PC-board for the BNL 1mm strip detector

Front side

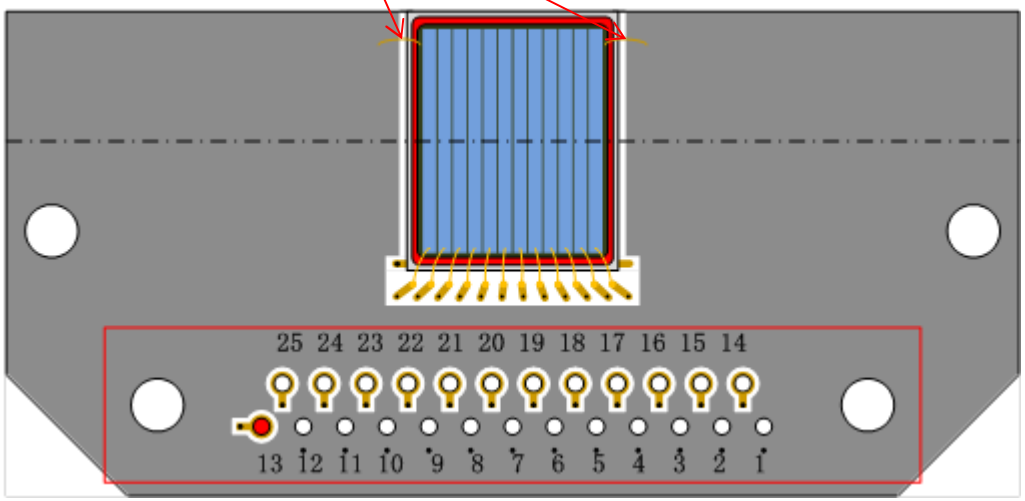


Back side

LOOKING FROM THE TOP VIEW THROUGH THE BOARD



Front and back ground connected thru the small and big holes by conductive paint
Guard ring bonded with ground by the gold wire



Ground

Gold trace

Bias filter (capacitor)