

# MCP-PMTs tests using the g-2 magnet

run number	B (G)	HV (V)	LED (mV)	theta (deg)	Tube #	Notes
2001	20	2706	2.8	0	Tube 74 (MgO)	
2002	2000	2706	2.8	0	Tube 74 (MgO)	
2003	2000	2706	3.8	0	Tube 74 (MgO)	

**Note: The tube 74 does not hold the HV anymore**

run number	B (G)	HV (volt)	LED (mV)	theta (deg)	Tube #	
2004	2300	2850	3	0	Tube 69 (AIO)	Fixed light level,
2005	5000	2850	3	0	Tube 69 (AIO)	Fixed HV,
2006	7500	2850	3	0	Tube 69 (AIO)	vary the B field
2007	10000	2850	3	0	tube 69 (AIO)	
2008	12500	2850	3	0	tube 69 (AIO)	
2009	14500	2850	3	0	tube 69 (AIO)	
2010	20	2850	3	0	tube 69 (AIO)	
2011	14500	2850	4	0	tube 69 (AIO)	Fixed light level,
2012	12500	2850	4	0	tube 69 (AIO)	Fixed HV,
2013	10000	2850	4	0	tube 69 (AIO)	vary the B field
2014	7500	2850	4	0	tube 69 (AIO)	
2015	5000	2850	4	0	tube 69 (AIO)	
2016	2500	2850	4	0	tube 69 (AIO)	
2017	20	2850	4	0	tube 69 (AIO)	
2018	20	3000	2	0	tube 69 (AIO)	Fixed HV,
2019	20	3000	2.2	0	tube 69 (AIO)	Fixed B field,
2020	20	3000	2.4	0	tube 69 (AIO)	vary the light level
2021	20	3000	2.6	0	tube 69 (AIO)	
2022	20	3000	2.8	0	tube 69 (AIO)	
2023	20	3000	3	0	tube 69 (AIO)	
2024	20	3000	3.2	0	tube 69 (AIO)	
2025	20	3000	3.4	0	tube 69 (AIO)	
2026	20	3000	3.6	0	tube 69 (AIO)	
2027	20	3000	3.8	0	tube 69 (AIO)	
2028	20	3000	4	0	tube 69 (AIO)	

Sheet1

run number	B (G)	HV (V)	LED (mV)	theta (deg)	Tube #	Notes
2029	20	2750	3.5	0	tube 69 (AIO)	Fixed light level, vary the HV at different B fields
2030	20	2800	3.5	0	tube 69 (AIO)	
2031	20	2850	3.5	0	tube 69 (AIO)	
2032	20	2900	3.5	0	tube 69 (AIO)	
2033	20	2950	3.5	0	tube 69 (AIO)	
2034	20	3000	3.5	0	tube 69 (AIO)	
2035	20	3050	3.5	0	tube 69 (AIO)	
2036	20	3100	3.5	0	tube 69 (AIO)	
2037	20	3150	3.5	0	tube 69 (AIO)	
2038	2500	2750	3.5	0	tube 69 (AIO)	
2039	2500	2800	3.5	0	tube 69 (AIO)	
2040	2500	2850	3.5	0	tube 69 (AIO)	
2041	2500	2900	3.5	0	tube 69 (AIO)	
2042	2500	2950	3.5	0	tube 69 (AIO)	
2043	2500	3000	3.5	0	tube 69 (AIO)	
2044	2500	3050	3.5	0	tube 69 (AIO)	
2045	2500	3100	3.5	0	tube 69 (AIO)	
2046	5000	2750	3.5	0	tube 69 (AIO)	
2047	5000	2800	3.5	0	tube 69 (AIO)	
2048	5000	2850	3.5	0	tube 69 (AIO)	
2049	5000	2900	3.5	0	tube 69 (AIO)	
2050	5000	2950	3.5	0	tube 69 (AIO)	
2051	5000	3000	3.5	0	tube 69 (AIO)	
2052	5000	3050	3.5	0	tube 69 (AIO)	
2053	5000	3100	3.5	0	tube 69 (AIO)	
2054	7500	2850	3.5	0	tube 69 (AIO)	
2055	7500	2900	3.5	0	tube 69 (AIO)	
2056	7500	2950	3.5	0	tube 69 (AIO)	
2057	7500	3000	3.5	0	tube 69 (AIO)	
2058	7500	3050	3.5	0	tube 69 (AIO)	
2059	7500	3100	3.5	0	tube 69 (AIO)	

**Note: The tube 69 does not hold the HV anymore**

Sheet1

run number	B (G)	HV (V)	LED (mV)	theta (deg)	Tube #	Notes
2060	20	2200	3.5	0	Tube 52 (AIO)	Fixed light level , vary the HV at different B fields
2061	20	2250	3.5	0	Tube 52 (AIO)	
2062	20	2300	3.5	0	Tube 52 (AIO)	
2063	20	2350	3.5	0	Tube 52 (AIO)	
2064	20	2400	3.5	0	Tube 52 (AIO)	
2065	20	2450	3.5	0	Tube 52 (AIO)	
2066	20	2500	3.5	0	Tube 52 (AIO)	
2067	20	2550	3.5	0	Tube 52 (AIO)	
2068	1250	2200	3.5	0	Tube 52 (AIO)	
2069	1250	2250	3.5	0	Tube 52 (AIO)	
2070	1250	2300	3.5	0	Tube 52 (AIO)	
2071	1250	2350	3.5	0	Tube 52 (AIO)	
2072	1250	2400	3.5	0	Tube 52 (AIO)	
2073	1250	2450	3.5	0	Tube 52 (AIO)	
2074	1250	2500	3.5	0	Tube 52 (AIO)	
2075	1250	2550	3.5	0	Tube 52 (AIO)	
2076	2500	2200	3.5	0	Tube 52 (AIO)	
2077	2500	2250	3.5	0	Tube 52 (AIO)	
2078	2500	2300	3.5	0	Tube 52 (AIO)	
2079	2500	2350	3.5	0	Tube 52 (AIO)	
2080	2500	2400	3.5	0	Tube 52 (AIO)	
2081	2500	2450	3.5	0	Tube 52 (AIO)	
2082	2500	2500	3.5	0	Tube 52 (AIO)	
2083	3750	2200	3.5	0	Tube 52 (AIO)	
2084	3750	2250	3.5	0	Tube 52 (AIO)	
2085	3750	2300	3.5	0	Tube 52 (AIO)	
2086	3750	2350	3.5	0	Tube 52 (AIO)	
2087	3750	2400	3.5	0	Tube 52 (AIO)	
2088	3750	2450	3.5	0	Tube 52 (AIO)	
2089	3750	2500	3.5	0	Tube 52 (AIO)	
2090	5000	2300	3.5	0	Tube 52 (AIO)	
2091	5000	2350	3.5	0	Tube 52 (AIO)	
2092	5000	2400	3.5	0	Tube 52 (AIO)	
2093	5000	2450	3.5	0	Tube 52 (AIO)	
2094	5000	2500	3.5	0	Tube 52 (AIO)	
2095	6250	2300	3.5	0	Tube 52 (AIO)	
2096	6250	2350	3.5	0	Tube 52 (AIO)	
2097	6250	2400	3.5	0	Tube 52 (AIO)	
2098	6250	2450	3.5	0	Tube 52 (AIO)	
2099	6250	2500	3.5	0	Tube 52 (AIO)	
2100	7500	2400	3.5	0	Tube 52 (AIO)	
2101	7500	2450	3.5	0	Tube 52 (AIO)	
2102	7500	2500	3.5	0	Tube 52 (AIO)	
2103	8000	2450	3.5	0	Tube 52 (AIO)	

Sheet1

run number	B (G)	HV (V)	LED (mV)	theta (deg)	Tube #	Notes
Put back tube 69, no changes to the detector rather than it was cooled down						
3000	20	2650	3.5	0	Tube 69 (AIO)	Repeat HV
3001	20	2700	3.5	0	Tube 69 (AIO)	dependence
3002	20	2750	3.5	0	Tube 69 (AIO)	at different
3003	20	2800	3.5	0	Tube 69 (AIO)	B filed points
3004	20	2850	3.5	0	Tube 69 (AIO)	
3005	20	2900	3.5	0	Tube 69 (AIO)	
3006	20	2950	3.5	0	Tube 69 (AIO)	
3007	20	3000	3.5	0	Tube 69 (AIO)	
3008	20	3050	3.5	0	Tube 69 (AIO)	
3009	20	3100	3.5	0	Tube 69 (AIO)	
3010	1250	2650	3.5	0	Tube 69 (AIO)	
3011	1250	2700	3.5	0	Tube 69 (AIO)	
3012	1250	2750	3.5	0	Tube 69 (AIO)	
3013	1250	2800	3.5	0	Tube 69 (AIO)	
3014	1250	2850	3.5	0	Tube 69 (AIO)	
3015	1250	2900	3.5	0	Tube 69 (AIO)	
3016	1250	2950	3.5	0	Tube 69 (AIO)	
3017	1250	3000	3.5	0	Tube 69 (AIO)	
3018	1250	3050	3.5	0	Tube 69 (AIO)	
3019	1250	3100	3.5	0	Tube 69 (AIO)	
3020	2500	2650	3.5	0	Tube 69 (AIO)	
3021	2500	2700	3.5	0	Tube 69 (AIO)	
3022	2500	2750	3.5	0	Tube 69 (AIO)	
3023	2500	2800	3.5	0	Tube 69 (AIO)	
3024	2500	2850	3.5	0	Tube 69 (AIO)	
3025	2500	2900	3.5	0	Tube 69 (AIO)	
3026	2500	2950	3.5	0	Tube 69 (AIO)	
3027	2500	3000	3.5	0	Tube 69 (AIO)	
3028	2500	3050	3.5	0	Tube 69 (AIO)	
3029	2500	3100	3.5	0	Tube 69 (AIO)	
3030	3750	2650	3.5	0	Tube 69 (AIO)	
3031	3750	2700	3.5	0	Tube 69 (AIO)	
3032	3750	2750	3.5	0	Tube 69 (AIO)	
3033	3750	2800	3.5	0	Tube 69 (AIO)	
3034	3750	2850	3.5	0	Tube 69 (AIO)	
3035	3750	2900	3.5	0	Tube 69 (AIO)	
3036	3750	2950	3.5	0	Tube 69 (AIO)	
3037	3750	3000	3.5	0	Tube 69 (AIO)	
3038	3750	3050	3.5	0	Tube 69 (AIO)	
3039	3750	3100	3.5	0	Tube 69 (AIO)	
3040	5000	2650	3.5	0	Tube 69 (AIO)	
3041	5000	2700	3.5	0	Tube 69 (AIO)	
3042	5000	2750	3.5	0	Tube 69 (AIO)	
3043	5000	2800	3.5	0	Tube 69 (AIO)	
3044	5000	2850	3.5	0	Tube 69 (AIO)	
3045	5000	2900	3.5	0	Tube 69 (AIO)	
3046	5000	2950	3.5	0	Tube 69 (AIO)	

Sheet1

3047	5000	3000	3.5	0	Tube 69 (AIO)	
3048	5000	3050	3.5	0	Tube 69 (AIO)	
3049	5000	3100	3.5	0	Tube 69 (AIO)	
3050	6250	2650	3.5	0	Tube 69 (AIO)	
3051	6250	2700	3.5	0	Tube 69 (AIO)	
3052	6250	2750	3.5	0	Tube 69 (AIO)	
3053	6250	2800	3.5	0	Tube 69 (AIO)	
3054	6250	2850	3.5	0	Tube 69 (AIO)	
3055	6250	2900	3.5	0	Tube 69 (AIO)	
3056	6250	2950	3.5	0	Tube 69 (AIO)	
3057	6250	3000	3.5	0	Tube 69 (AIO)	
3058	6250	3050	3.5	0	Tube 69 (AIO)	
3059	6250	3100	3.5	0	Tube 69 (AIO)	
3060	7500	2650	3.5	0	Tube 69 (AIO)	
3061	7500	2700	3.5	0	Tube 69 (AIO)	
3062	7500	2750	3.5	0	Tube 69 (AIO)	
3063	7500	2800	3.5	0	Tube 69 (AIO)	
3064	7500	2850	3.5	0	Tube 69 (AIO)	
3065	7500	2900	3.5	0	Tube 69 (AIO)	
3066	7500	2950	3.5	0	Tube 69 (AIO)	
3067	7500	3000	3.5	0	Tube 69 (AIO)	
3068	7500	3050	3.5	0	Tube 69 (AIO)	
3069	7500	3100	3.5	0	Tube 69 (AIO)	
3070	8750	2650	3.5	0	Tube 69 (AIO)	
3071	8750	2700	3.5	0	Tube 69 (AIO)	
3072	8750	2750	3.5	0	Tube 69 (AIO)	
3073	8750	2800	3.5	0	Tube 69 (AIO)	
3074	8750	2850	3.5	0	Tube 69 (AIO)	
3075	8750	2900	3.5	0	Tube 69 (AIO)	
3076	8750	2950	3.5	0	Tube 69 (AIO)	
3077	8750	3000	3.5	0	Tube 69 (AIO)	
3078	8750	3050	3.5	0	Tube 69 (AIO)	
3079	8750	3100	3.5	0	Tube 69 (AIO)	
3080	10000	2850	3.5	0	Tube 69 (AIO)	
3081	10000	2900	3.5	0	Tube 69 (AIO)	
3082	10000	2950	3.5	0	Tube 69 (AIO)	
3083	10000	3000	3.5	0	Tube 69 (AIO)	
3084	10000	3050	3.5	0	Tube 69 (AIO)	
3085	10000	3100	3.5	0	Tube 69 (AIO)	
3090	11250	2850	3.5	0	Tube 69 (AIO)	
3091	11250	2900	3.5	0	Tube 69 (AIO)	
3092	11250	2950	3.5	0	Tube 69 (AIO)	
3093	11250	3000	3.5	0	Tube 69 (AIO)	
3094	11250	3050	3.5	0	Tube 69 (AIO)	
3095	11250	3100	3.5	0	Tube 69 (AIO)	

Sheet1

run number	B (G)	HV (V)	LED (mV)	theta (deg)	Tube #	Notes
2200	2500	3000	3.5	-90	Tube 69 (AIO)	Study the angular dependence at two B field points
2201	2500	3000	3.5	-60	Tube 69 (AIO)	
2202	2500	3000	3.5	-45	Tube 69 (AIO)	
2203	2500	3000	3.5	-30	Tube 69 (AIO)	
2204	2500	3000	3.5	-20	Tube 69 (AIO)	
2205	2500	3000	3.5	-15	Tube 69 (AIO)	
2206	2500	3000	3.5	-10	Tube 69 (AIO)	
2207	2500	3000	3.5	-5	Tube 69 (AIO)	
2208	2500	3000	3.5	0	Tube 69 (AIO)	
2209	2500	3000	3.5	5	Tube 69 (AIO)	
2210	2500	3000	3.5	10	Tube 69 (AIO)	
2211	2500	3000	3.5	15	Tube 69 (AIO)	
2212	2500	3000	3.5	20	Tube 69 (AIO)	
2213	2500	3000	3.5	30	Tube 69 (AIO)	
2214	2500	3000	3.5	45	Tube 69 (AIO)	
2215	2500	3000	3.5	60	Tube 69 (AIO)	
2216	2500	3000	3.5	90	Tube 69 (AIO)	
4000	5000	3000	3.5	-90	Tube 69 (AIO)	
4001	5000	3000	3.5	-60	Tube 69 (AIO)	
4002	5000	3000	3.5	-45	Tube 69 (AIO)	
4003	5000	3000	3.5	-30	Tube 69 (AIO)	
4004	5000	3000	3.5	-20	Tube 69 (AIO)	
4005	5000	3000	3.5	-15	Tube 69 (AIO)	
4006	5000	3000	3.5	-10	Tube 69 (AIO)	
4007	5000	3000	3.5	-5	Tube 69 (AIO)	
4008	5000	3000	3.5	0	Tube 69 (AIO)	
4009	5000	3000	3.5	5	Tube 69 (AIO)	
4010	5000	3000	3.5	10	Tube 69 (AIO)	
4011	5000	3000	3.5	15	Tube 69 (AIO)	
4012	5000	3000	3.5	20	Tube 69 (AIO)	
4013	5000	3000	3.5	30	Tube 69 (AIO)	
4014	5000	3000	3.5	45	Tube 69 (AIO)	
4015	5000	3000	3.5	60	Tube 69 (AIO)	
4016	5000	3000	3.5	90	Tube 69 (AIO)	