

Spectrum measurements

Run name	Run time (s)	HV (kV)	Current (mA)	LC distance (mm)	LC angle	LC counts	GM counts	EJ distance	EJ angle	NE213 distance	NE213 angle	NE213 voltage	Source	Data file name / entry	Comments
160531_XXXX	374.8	0	0	2500	-50			N/A	N/A	2000	0	1954.3	Bi-207	2016_MAY_31_2_5MeV_NE213_FG_1.txt/mpa	gamma calibration of NE213
160531_XXXX	337.9	0	0	2500	-50			N/A	N/A	2000	0	1954.3	Na-22	2016_MAY_31_2_5MeV_NE213_FG_2.txt/mpa	gamma calibration of NE213
160531_XXXX	162.8	0	0	2500	-50			N/A	N/A	2000	0	1954.3	Cs-137	2016_MAY_31_2_5MeV_NE213_FG_3.txt/mpa	gamma calibration of NE213
160531_XXXX	15686.859	50	2.5	2500	-50			N/A	N/A	2000	0	1954.3	NG	2016_MAY_31_2_5MeV_NE213_FG_4.txt/mpa	Neutron spectrum measurement #1
160531_XXXX	514.942	0	0	2500	-50			N/A	N/A	2000	0	1703.6	Bi-207	2016_MAY_31_2_5MeV_NE213_FG_5.txt/mpa	Changed gain to be more compatible with existing code
160531_XXXX	691.688	50	2.5	2500	-50			N/A	N/A	796	0	1710.8	NG	2016_MAY_31_2_5MeV_NE213_FG_6.txt/mpa	Moved NE213 closer to NG to increase rate
160531_XXXX	..	50	2.5	2500	-50			N/A	N/A	796	0	1867.1 (other HV: 1926)	NG	2016_MAY_31_2_5MeV_NE213_FG_7.txt/mpa	Increased gain by factor of ~2 to increase neutron-gamma separation
160531_XXXX	223.81 (live)	0	0	2500	-50			N/A	N/A	796	0	1867.1 (other HV: 1926)	Bi-207	2016_MAY_31_2_5MeV_NE213_FG_8.mpa	gamma calibration
160531_XXXX	616.67 (live)	0	0	2500	-50			N/A	N/A	796	0	1867.1 (other HV: 1926)	Na-22	2016_MAY_31_2_5MeV_NE213_FG_9.mpa	gamma calibration
160531_XXXX	520.36 (live)	0	0	2500	-50			N/A	N/A	796	0	1867.1 (other HV: 1926)	Cs-137	2016_MAY_31_2_5MeV_NE213_FG_10.mpa	gamma calibration
160531_XXXX	577.99 (live)	0	0	2500	-50			N/A	N/A	796	0	1867.1 (other HV: 1926)	Background	2016_MAY_31_2_5MeV_NE213_FG_11.mpa	background (no lead cap?)
160531_XXXX	36000	0	0	2500	-50			N/A	N/A	796	0	1867.1 (other HV: 1926)	Background	2016_MAY_31_2_5MeV_NE213_FG_12.mpa	long background with lead cap
160601_XXXX	..	50	2.5	2500	-50			N/A	N/A	796	0	1867.1 (other HV: 1926)	NG	2016_JUN_01_2_5MeV_NE213_FG_01.mpa	Same settings as 2016_MAY_31_2_5MeV_NE213_FG_7.txt/mpa
160601_1321	..	40	1.0	1500	0			2000	-140	796	+140	1867.1 (other HV: 1926)	NG	2016_JUN_01_2_5MeV_NE213_FG_02.mpa	Rate measurement with simultaneous spectrum measurement
160601_2002	40000 s	0	0	1500	0	5016		2000	-140	796	+140	1867.1 (other HV: 1926)	Background	2016_JUN_02_2_5MeV_NE213_FG_01.mpa	Background rate and spectrum
160602_0827	12 h	40	0.5	1500	0	5016		2000	-140	796	+140	1867.1 (other HV: 1926)	NG	2016_JUN_02_2_5MeV_NE213_FG_02.mpa	Rate measurement with simultaneous spectrum measurement
160602_2123	12 h	0	0	1500	0	5016		2000	-140	796	+140	1867.1 (other HV: 1926)	Background	N/A	Background, LC and NE213 DAQ not running
160602_0857	6-7 h	50	0.5	1500	0	5016		2000	-140	796	+140	1876.5 (other HV: 1926)	NG	2016_JUN_03_2_5MeV_NE213_FG_01.mpa	Rate measurement with simultaneous spectrum measurement.

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