MUST2 DSSD Energy Calibration Report

1 Calibration Summary

Experiment : MUGAST$_L ISE23 Valerian and Hugo$
Operator App. Date : 16/02/23
Source : 3 alpha peaks ^{239}Pu, ^{241}Am, ^{244}Cm
Dead Layer : Al 0.3μm + Si 0μm
Comment : MUST2

Calibration Method : ZeroExtrapolation
Telescope Treated : 3
Strip Treated : 1 to 128
DSSD Side : Y

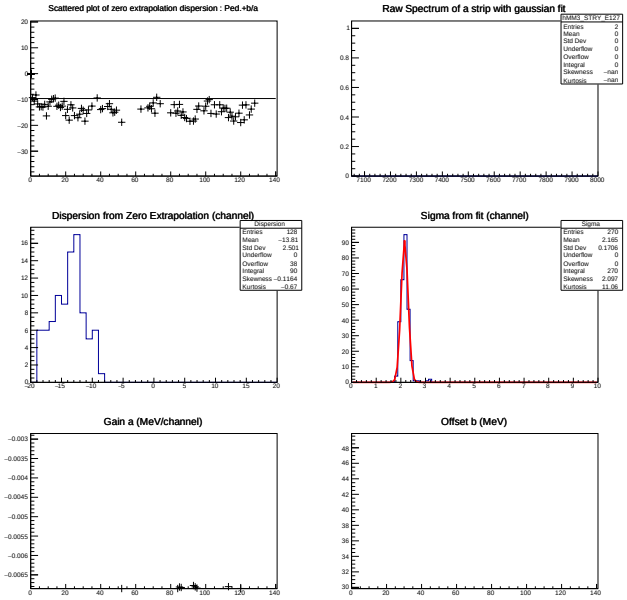
Source Description :

Isotope	Original Energy (MeV)	Branching Ratio
^{239}Pu	5.15659	70.77
^{239}Pu	5.14438	17.11
^{239}Pu	5.1055	11.94
^{241}Am	5.48556	84.8
^{241}Am	5.4428	13.1
^{241}Am	5.388	1.66
^{244}Cm	5.80477	76.4
^{244}Cm	5.76264	23.6

2 Telescope 3

Bad Strip :

Strip Number	Problem
26	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
34	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
36	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
37	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
39	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
42	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
43	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
50	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
51	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
53	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
54	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
55	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
56	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
57	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
58	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
59	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
60	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
61	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
62	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
64	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
65	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
66	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
73	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
75	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
76	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
77	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
78	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
79	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
81	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
90	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
92	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
97	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
98	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
104	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
107	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
118	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
124	0 peak(s) found ; zero extrapolation too high :8181.16channels ;
127	0 peak(s) found ; zero extrapolation too high :8181.16channels ;



Sigma fit centroid : 2.1526

Sigma fit sigma : 0.142934