

MUST2 DSSD Energy Calibration Report

1 Calibration Summary

Experiment : MUGAST_{LISE23} Valerian and Hugo
Operator App. Date : 16/02/23
Source : 3 alpha peaks ²³⁹Pu, ²⁴¹Am, ²⁴⁴Cm
Dead Layer : Al 0.3 μ m + Si 0 μ m
Comment : MUST2

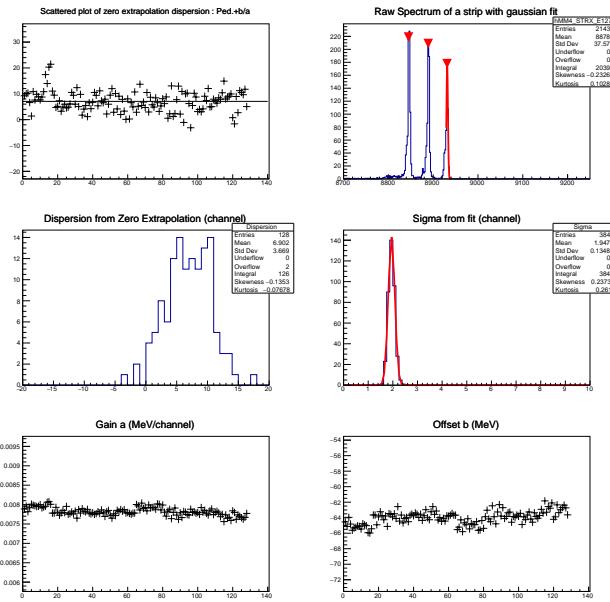
Calibration Method : ZeroExtrapolation
Telescope Treated : 4
Strip Treated : 1 to 128
DSSD Side : X

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 4

Bad Strip : All Strip are ok. Sigma fit centroid : 1.94782



Sigma fit sigma : 0.132793