



Low Gain/drift Analysis

RECAP

Runs 42856 - 43185 // Standard - LOW Gain

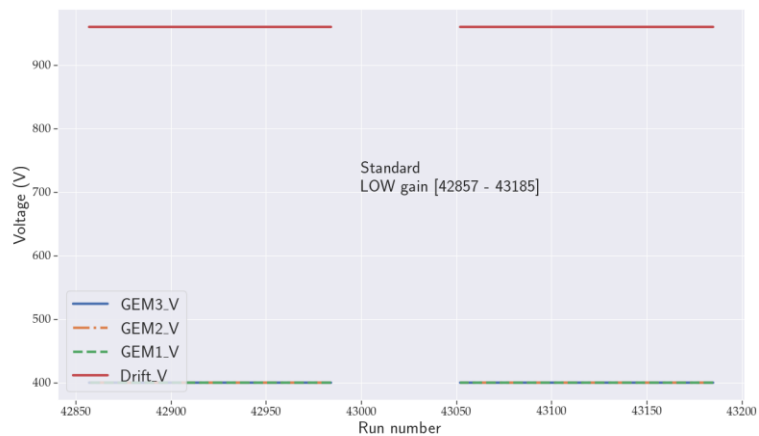
Runs 50899 - 51909 // Standard, Low Gain

**Runs 51910 - 52401 – 480V
Standard, Low Gain, Low Drift Field**

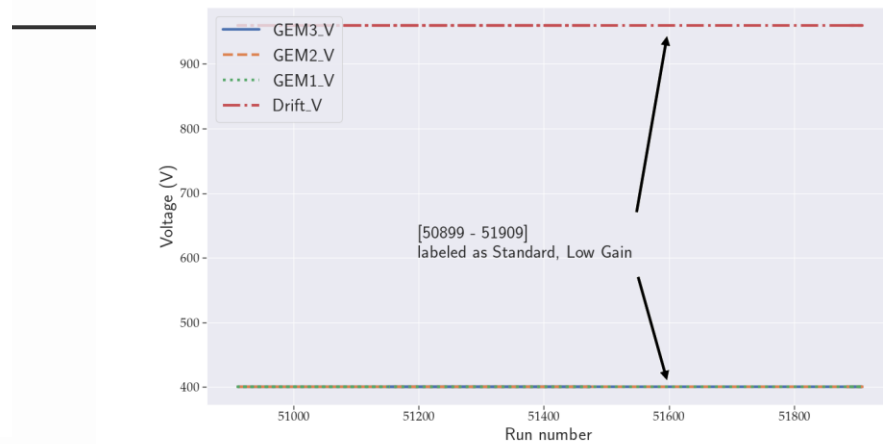
**Runs 52402 - 52656 – 600V
Standard, Low Gain, Low Drift Field**

Runs 55167 - 56380 // Standard, Low Gain

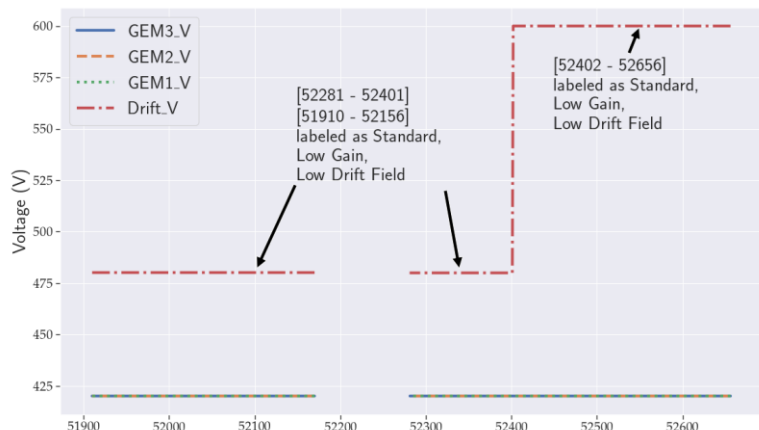
Runs 42856 - 43185 14/12/23 -> 16/12/23



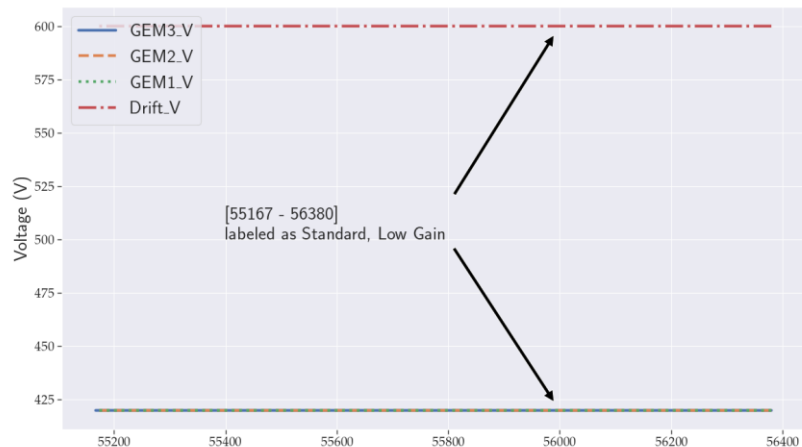
Runs 50899 - 51909 05/03/24 -> 12/03/24



Runs 51910 - 52656 12/03/24 -> 17/03/24



Runs 55167 - 56380 08/04/24 -> 17/04/24



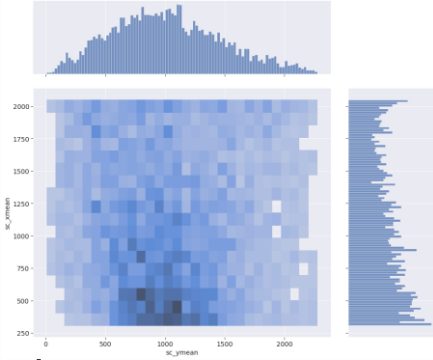


sc_mean_y vs sc_mean_x

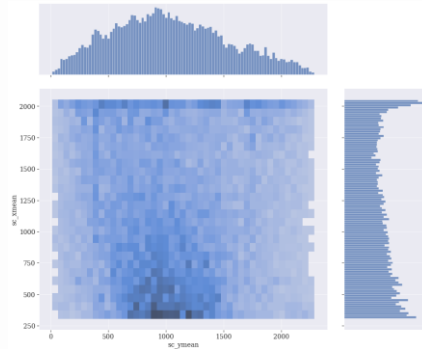
sc_mean_y vs sc_mean_x

STEP 3

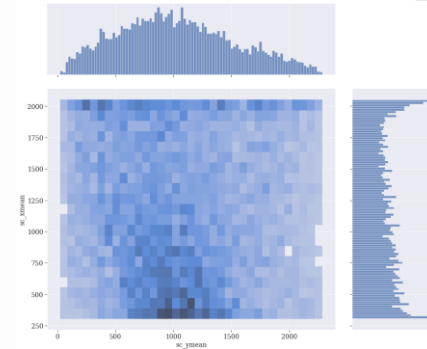
Runs 42856 - 43185
14/12/23 -> 16/12/23



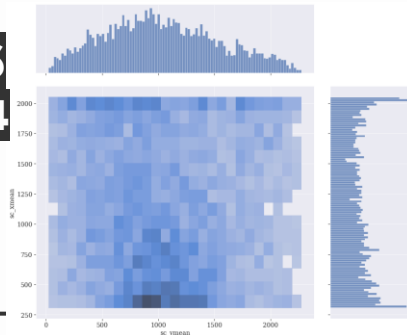
Runs 50899 - 51909
05/03/24 -> 12/03/24



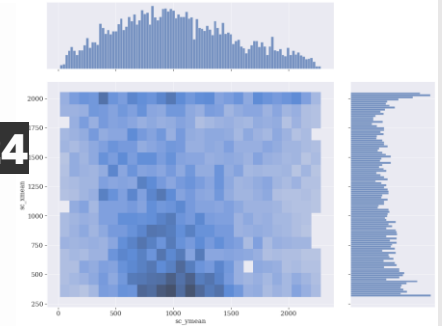
Runs 51910 - 52402
12/03/24 -> 15/03/24
-480V DRIFT



Runs 52402 - 52656
15/03/24 -> 17/03/24
-600V DRIFT



Runs 55167 - 56380
08/04/24 -> 17/04/24

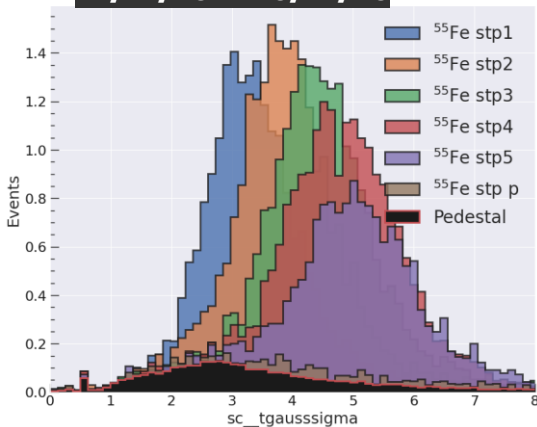




SC_tgaussSigma

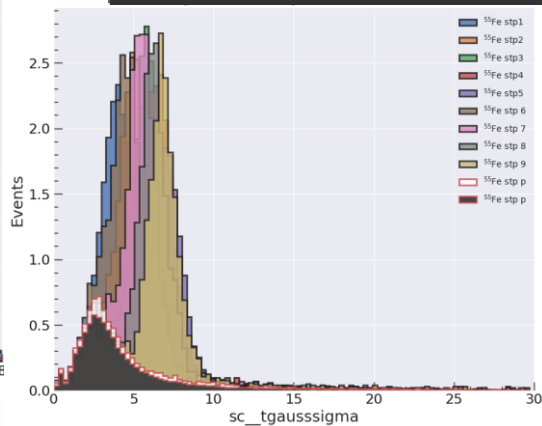
Runs 42856 - 43185

14/12/23 -> 16/12/23



Runs 51910 - 52402

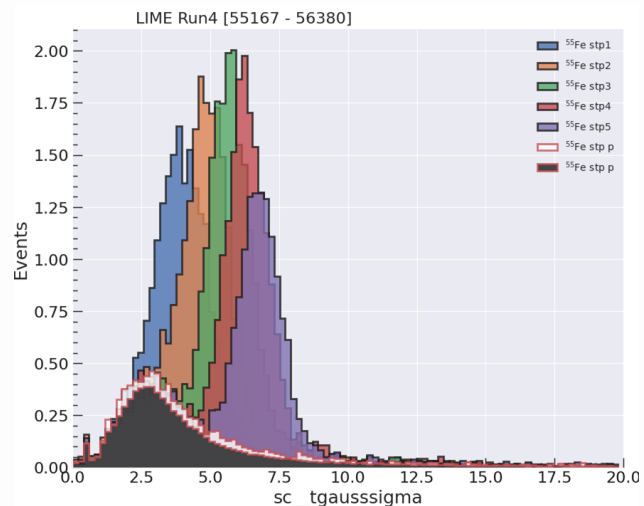
12/03/24 -> 15/03/24 -480V DRIFT



SC_tgaussSigma

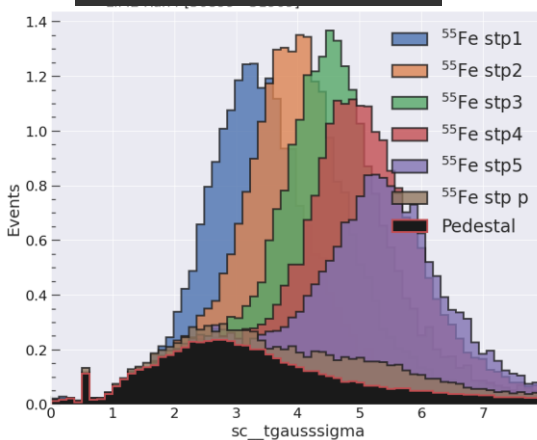
Runs 55167 - 56380

08/04/24 -> 17/04/24



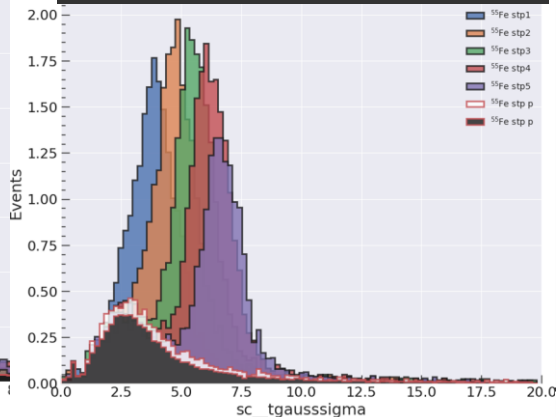
Runs 50899 - 51909

05/03/24 -> 12/03/24



Runs 52402 - 52656

15/03/24 -> 17/03/24 -600V DRIFT



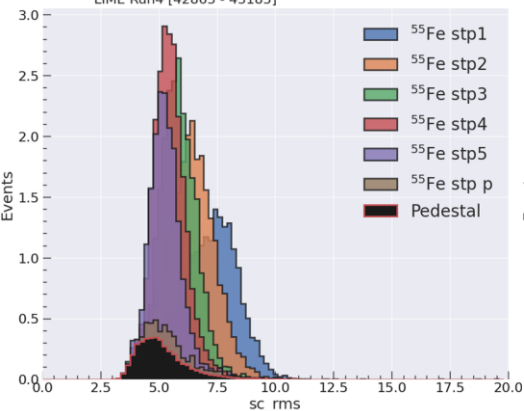


SC_rms

Runs 42856 - 43185

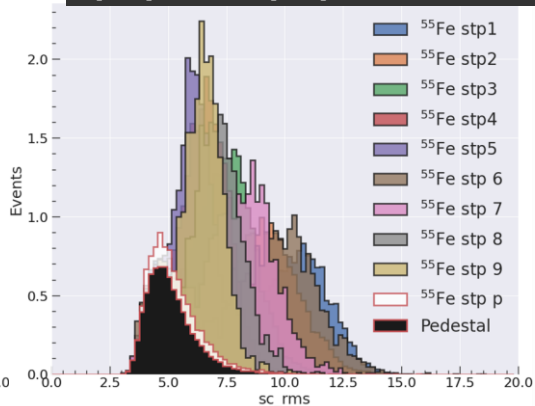
14/12/23 -> 16/12/23

LIME Run4 [42863 - 43185]



Runs 51910 - 52402

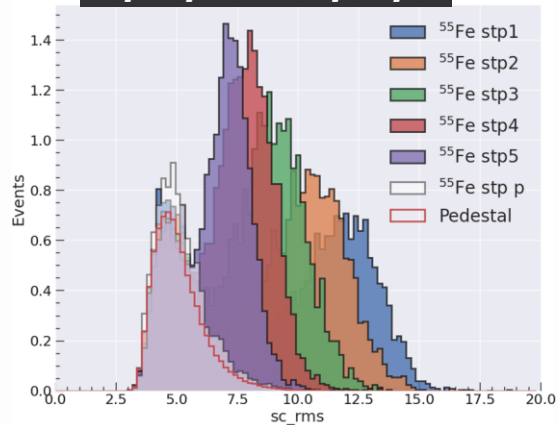
12/03/24 -> 15/03/24 -480V DRIFT



SC_rms

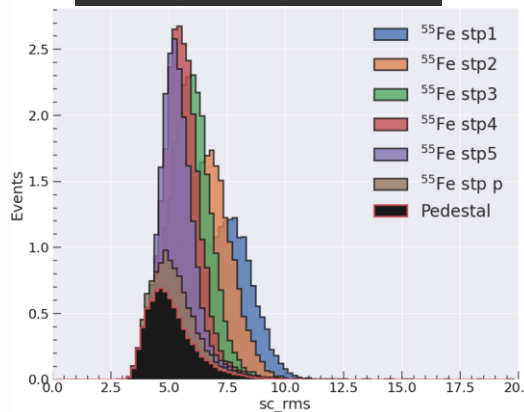
Runs 55167 - 56380

08/04/24 -> 17/04/24



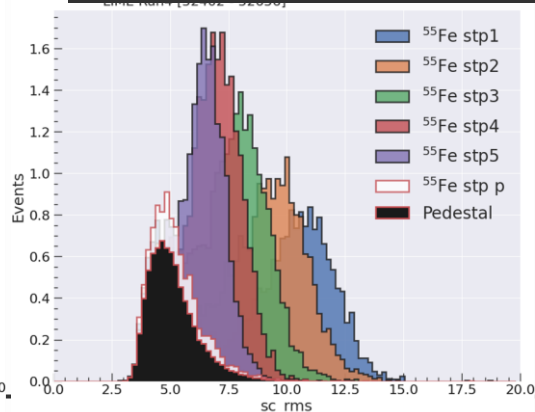
Runs 50899 - 51909

05/03/24 -> 12/03/24



Runs 52402 - 52656

15/03/24 -> 17/03/24 -600V DRIFT

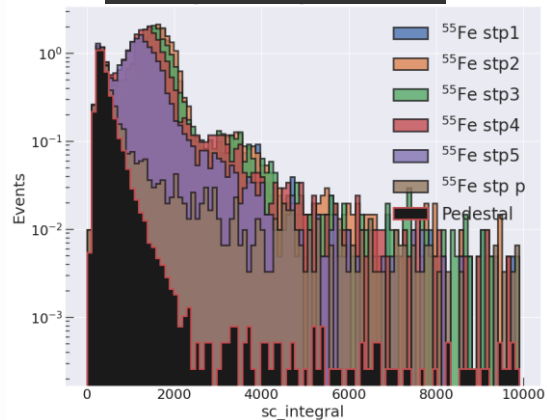




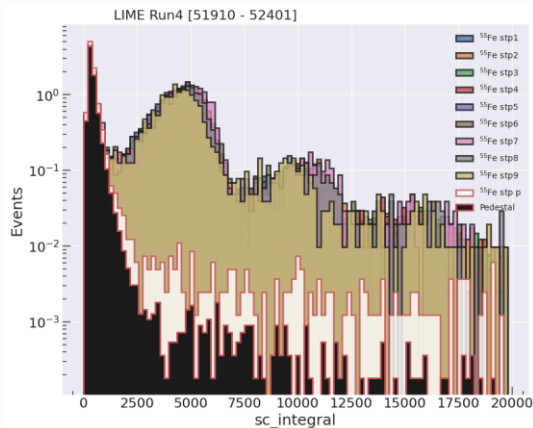
SC_integral

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Runs 42856 - 43185
14/12/23 -> 16/12/23

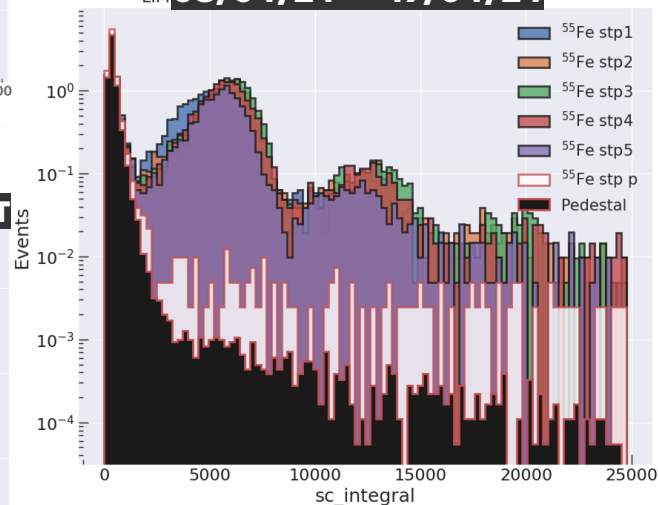


Runs 51910 - 52402
12/03/24 -> 15/03/24 -480V DRIFT

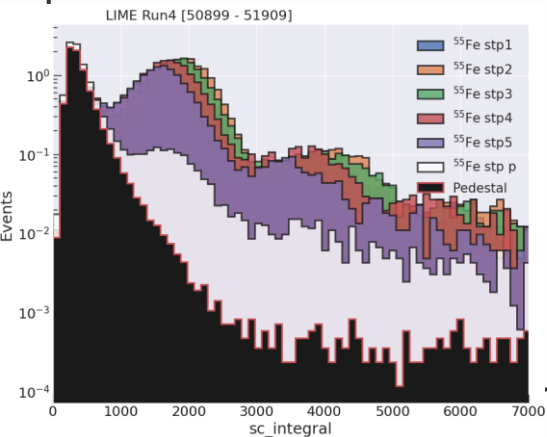


SC_integral

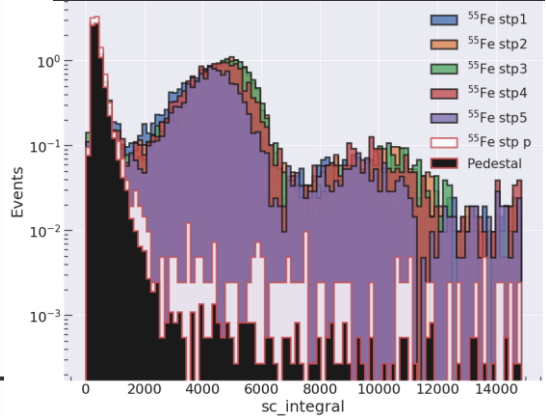
Runs 55167 - 56380
08/04/24 -> 17/04/24



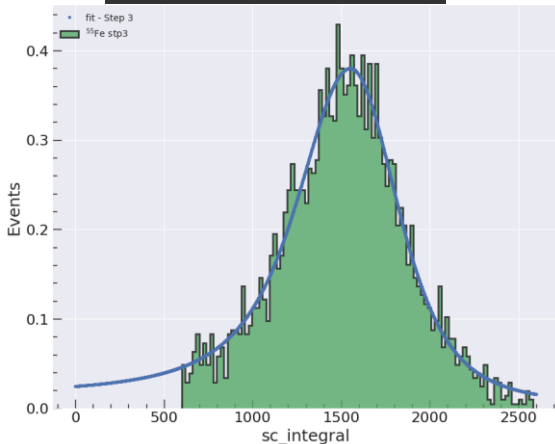
Runs 50899 - 51909
05/03/24 -> 12/03/24



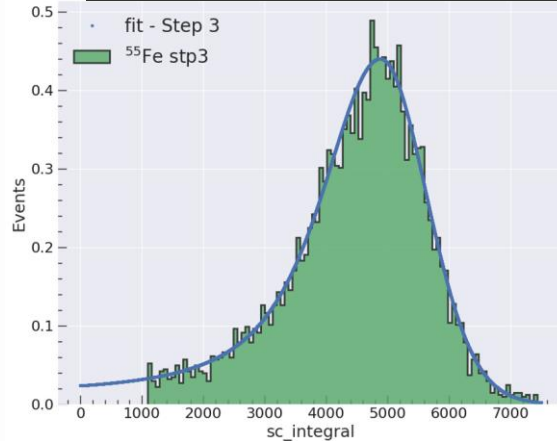
Runs 52402 - 52656
15/03/24 -> 17/03/24 -600V DRIFT



Runs 42856 - 43185
14/12/23 -> 16/12/23



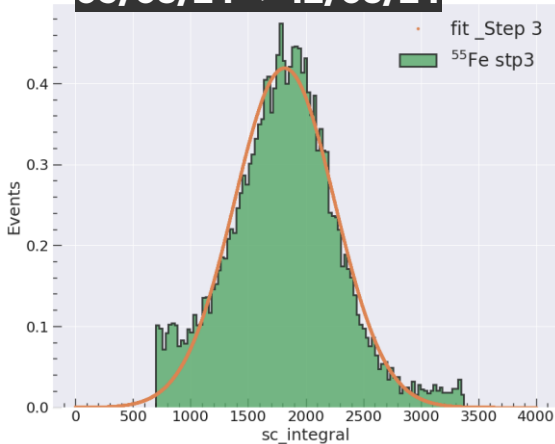
Runs 51910 - 52402
12/03/24 -> 15/03/24 -480V DRIFT



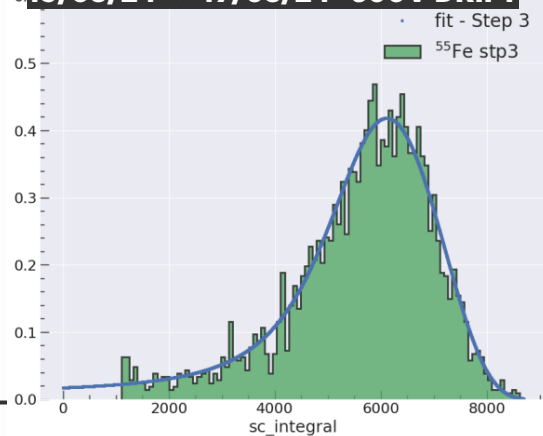
SC_integral

Only step 3 fit is shown.

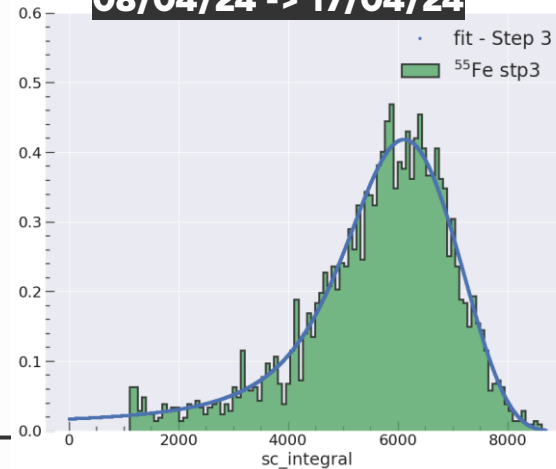
Runs 50899 - 51909
05/03/24 -> 12/03/24



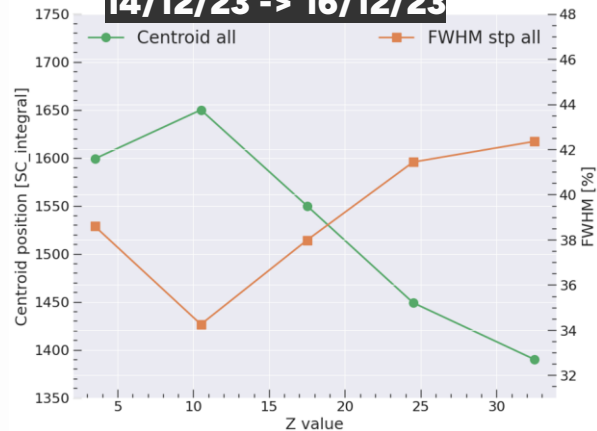
Runs 52402 - 52656
15/03/24 -> 17/03/24 -600V DRIFT



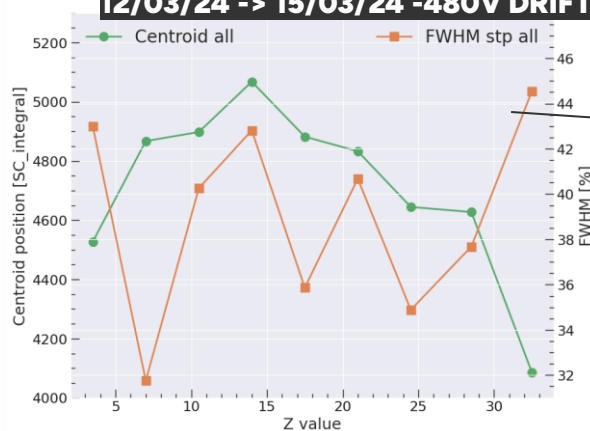
Runs 55167 - 56380
08/04/24 -> 17/04/24



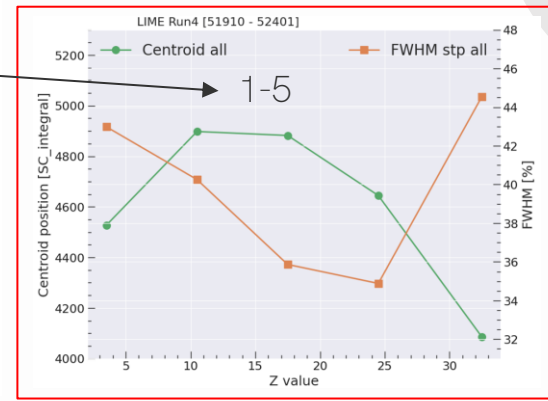
Runs 42856 - 43185
14/12/23 -> 16/12/23



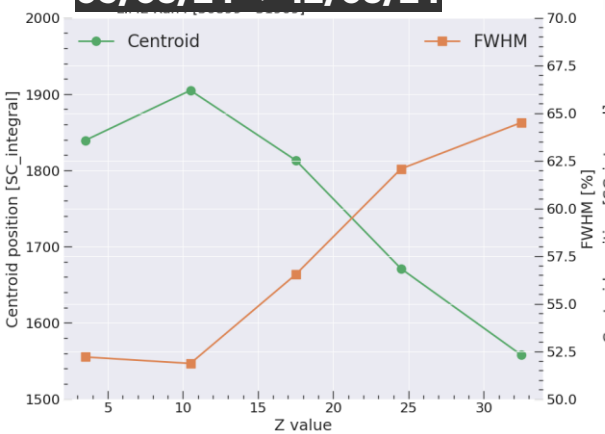
Runs 51910 - 52402
12/03/24 -> 15/03/24 -480V DRIFT



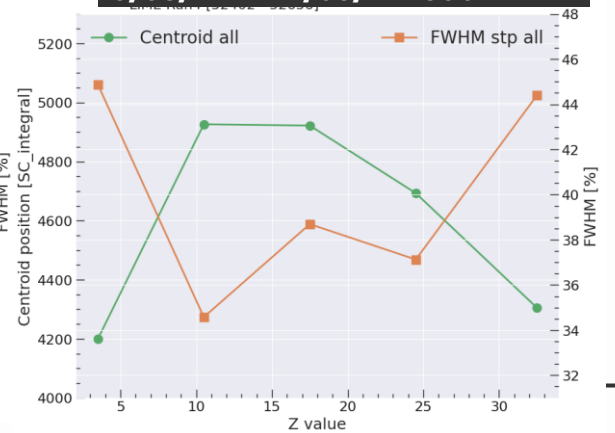
SC_integral



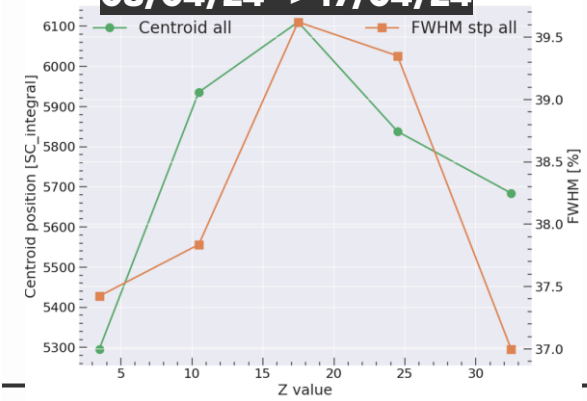
Runs 50899 - 51909
05/03/24 -> 12/03/24



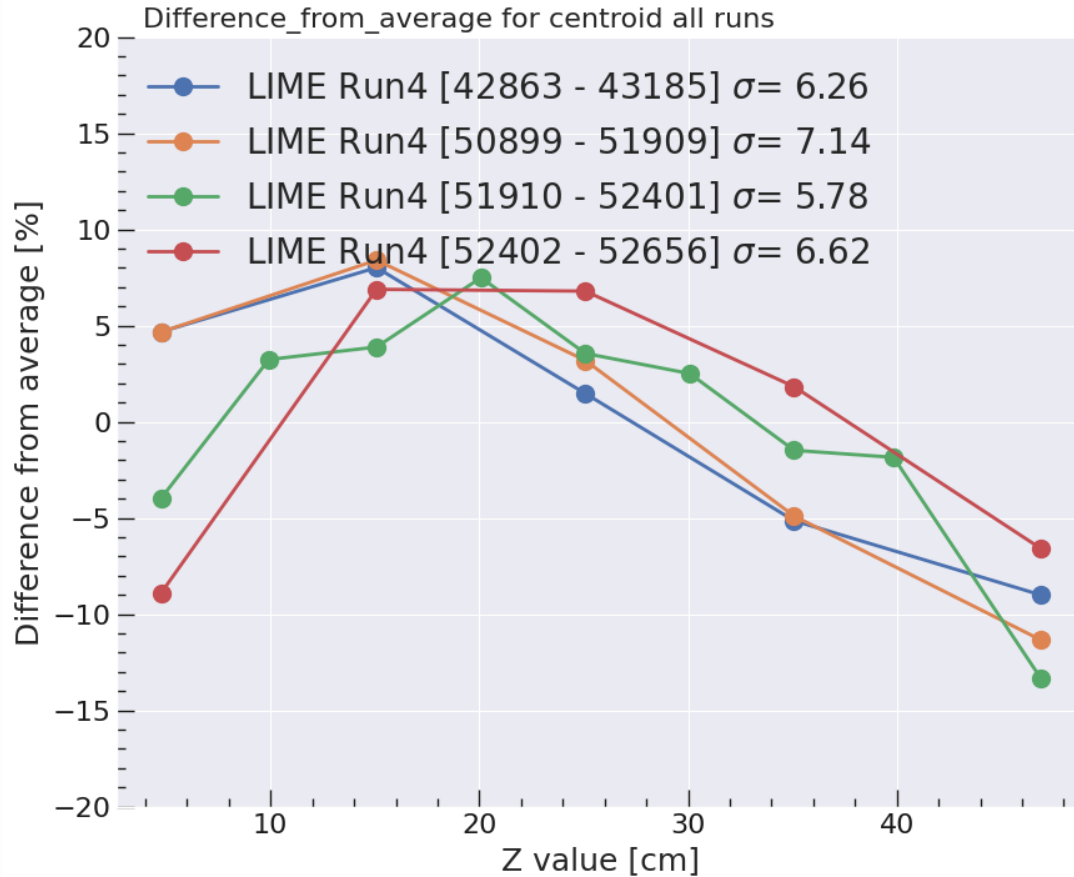
Runs 52402 - 52656
15/03/24 -> 17/03/24 -600V DRIFT



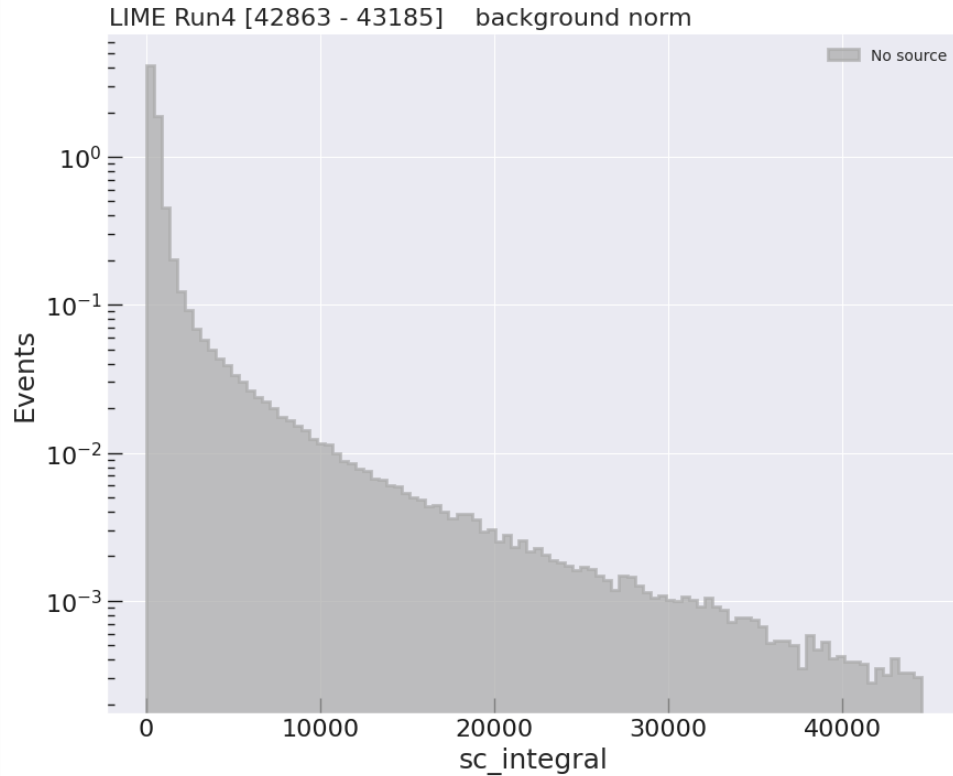
Runs 5516C7 - 56380
08/04/24 -> 17/04/24



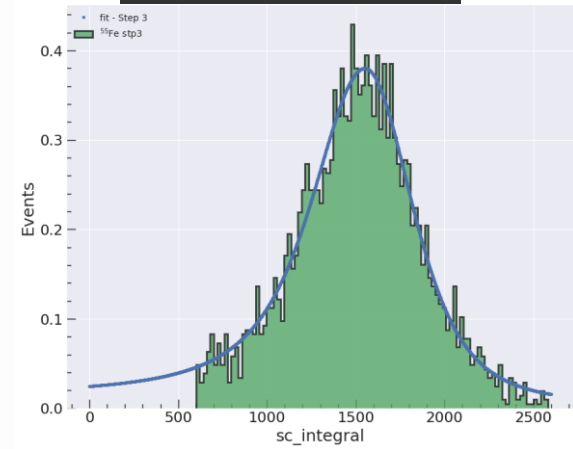
FE STEPS



BACKGROUND CALIBRATION

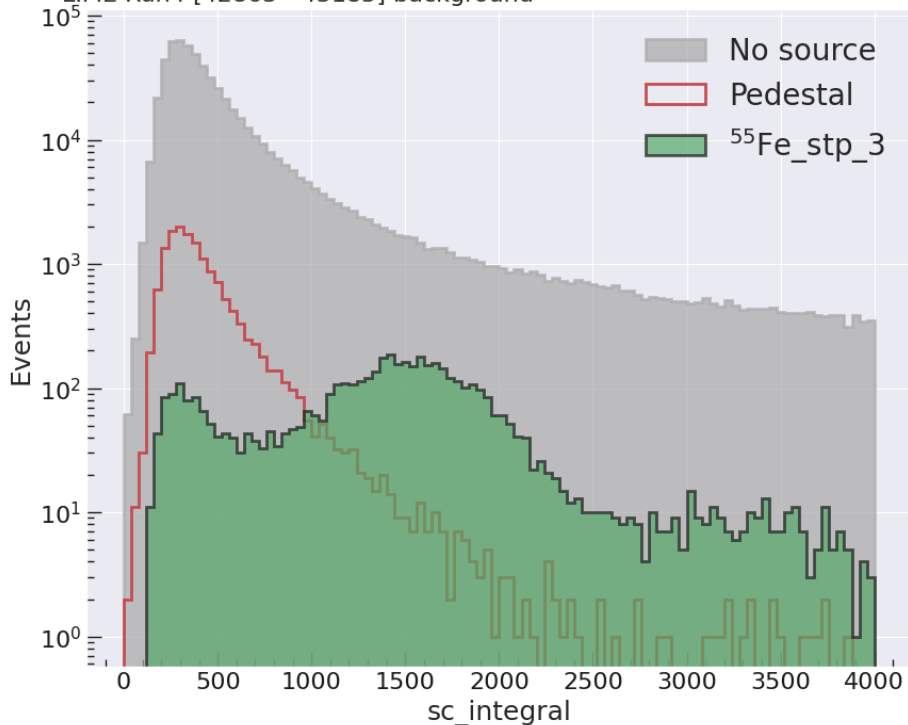


Runs 42856 - 43185
14/12/23 -> 16/12/23

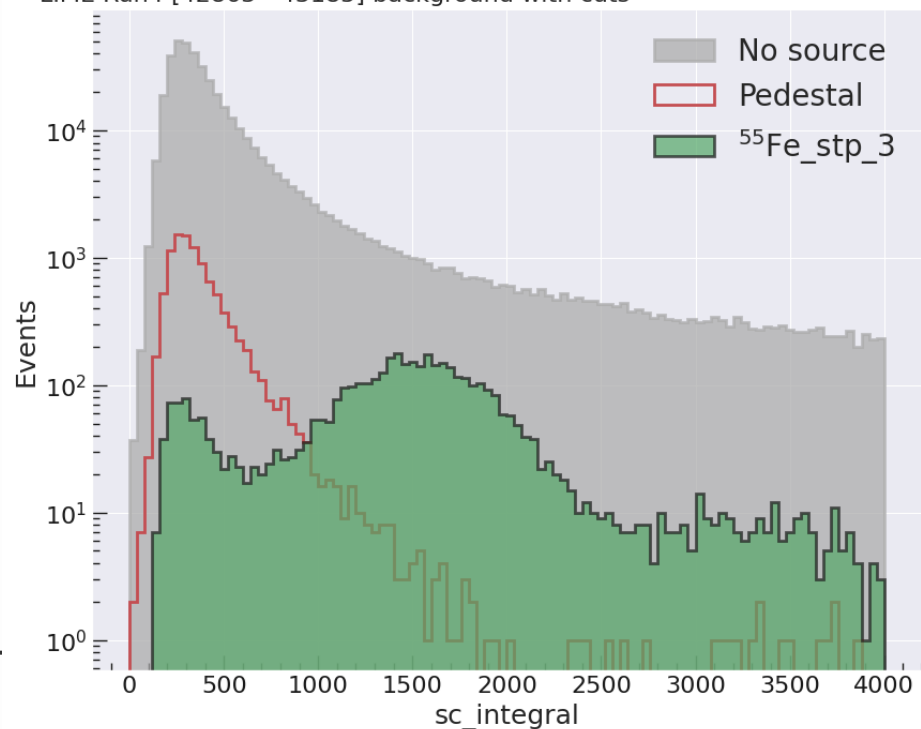


Geometrical CUTS

LIME Run4 [42863 - 43185] background

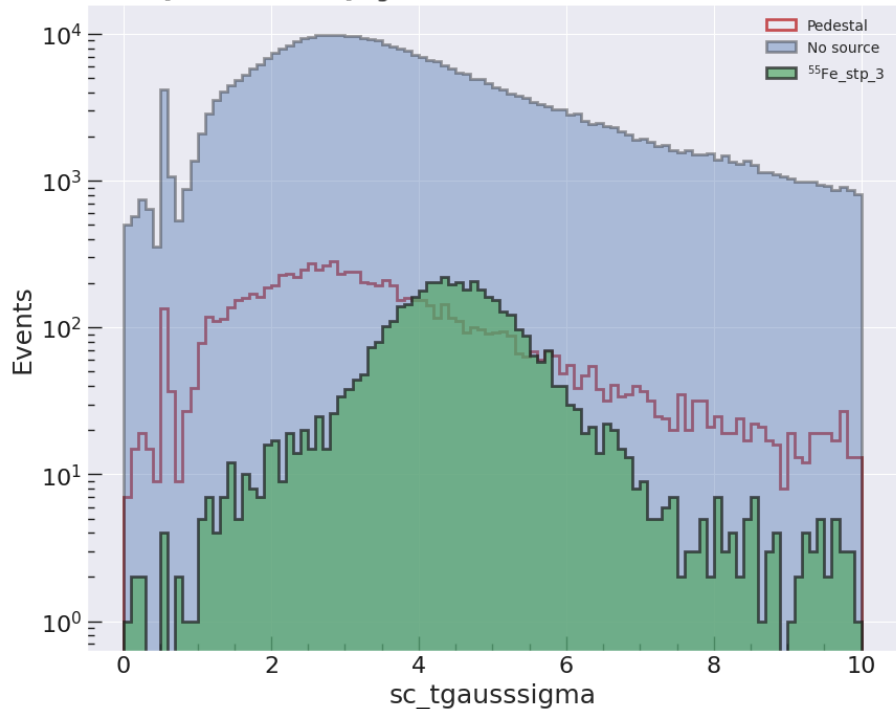


LIME Run4 [42863 - 43185] background with cuts

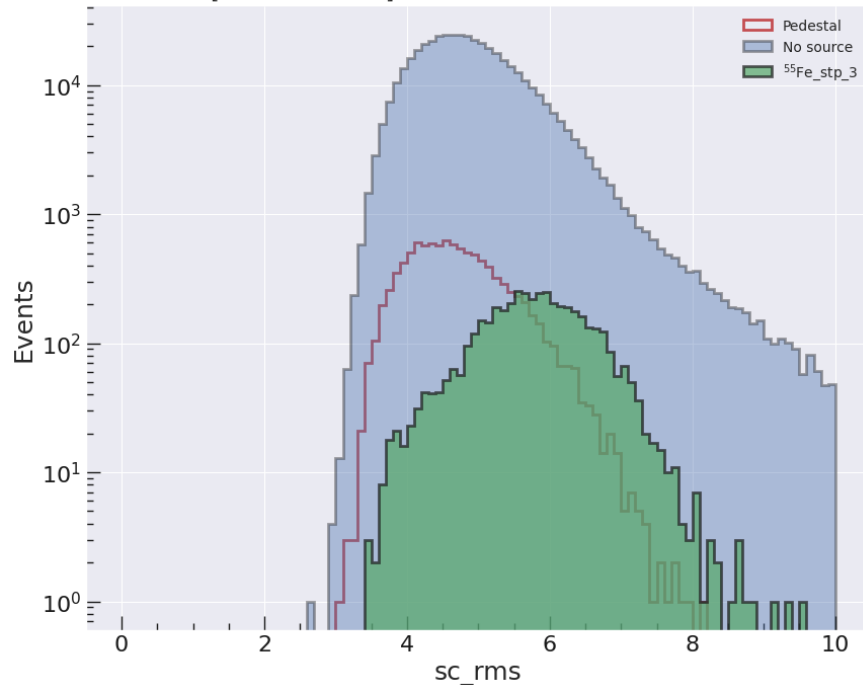


Study RMS and GAUSSSIGMA CUTS

LIME Run4 [55167 - 56380] gauss after cuts

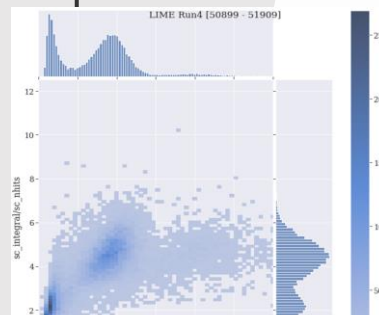
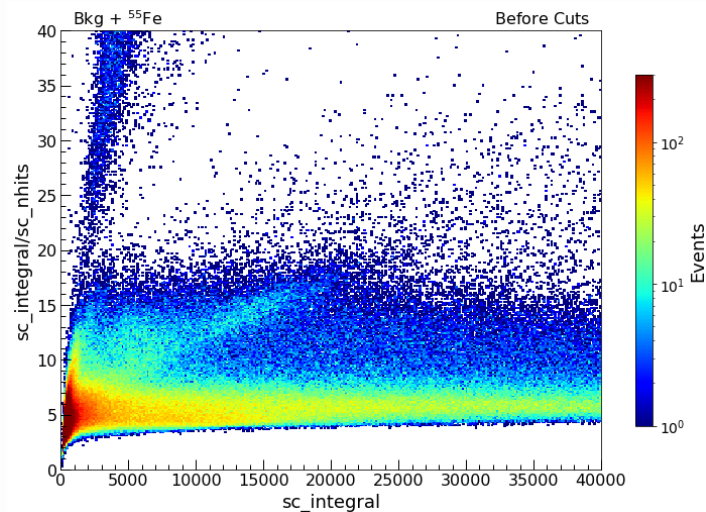
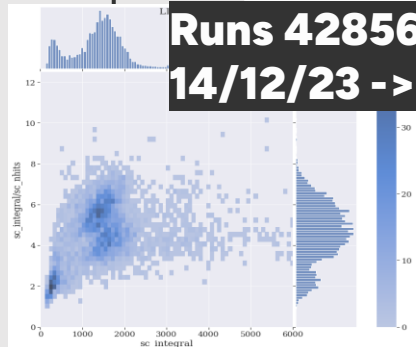


LIME Run4 [55167 - 56380] after cuts

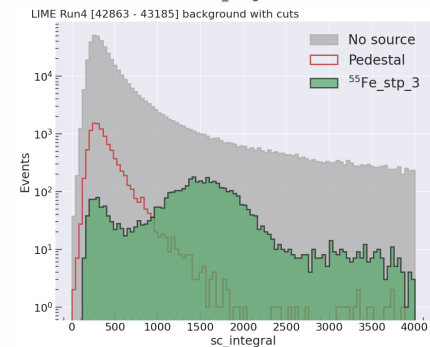
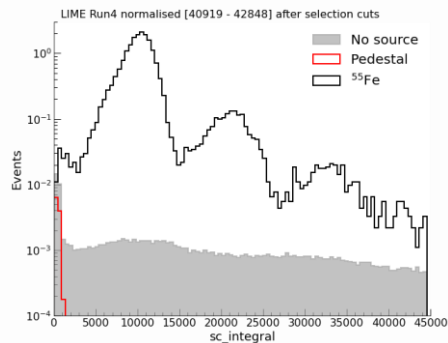


FULL COMPARISON to HIGH GAIN

Runs 42856 - 43185
14/12/23 -> 16/12/23



Runs 50899 - 51909
05/03/24 -> 12/03/24





THANK YOU

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