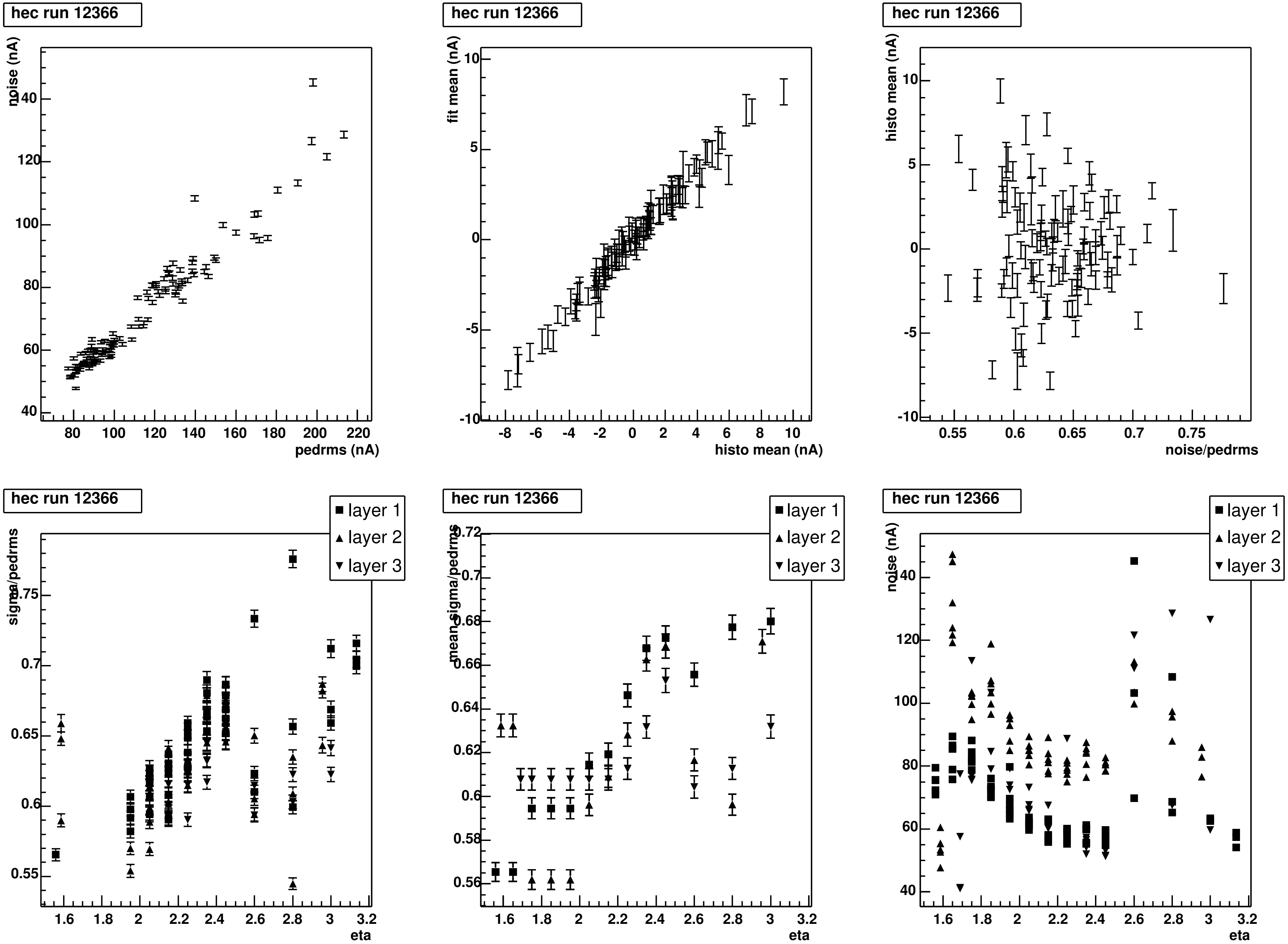
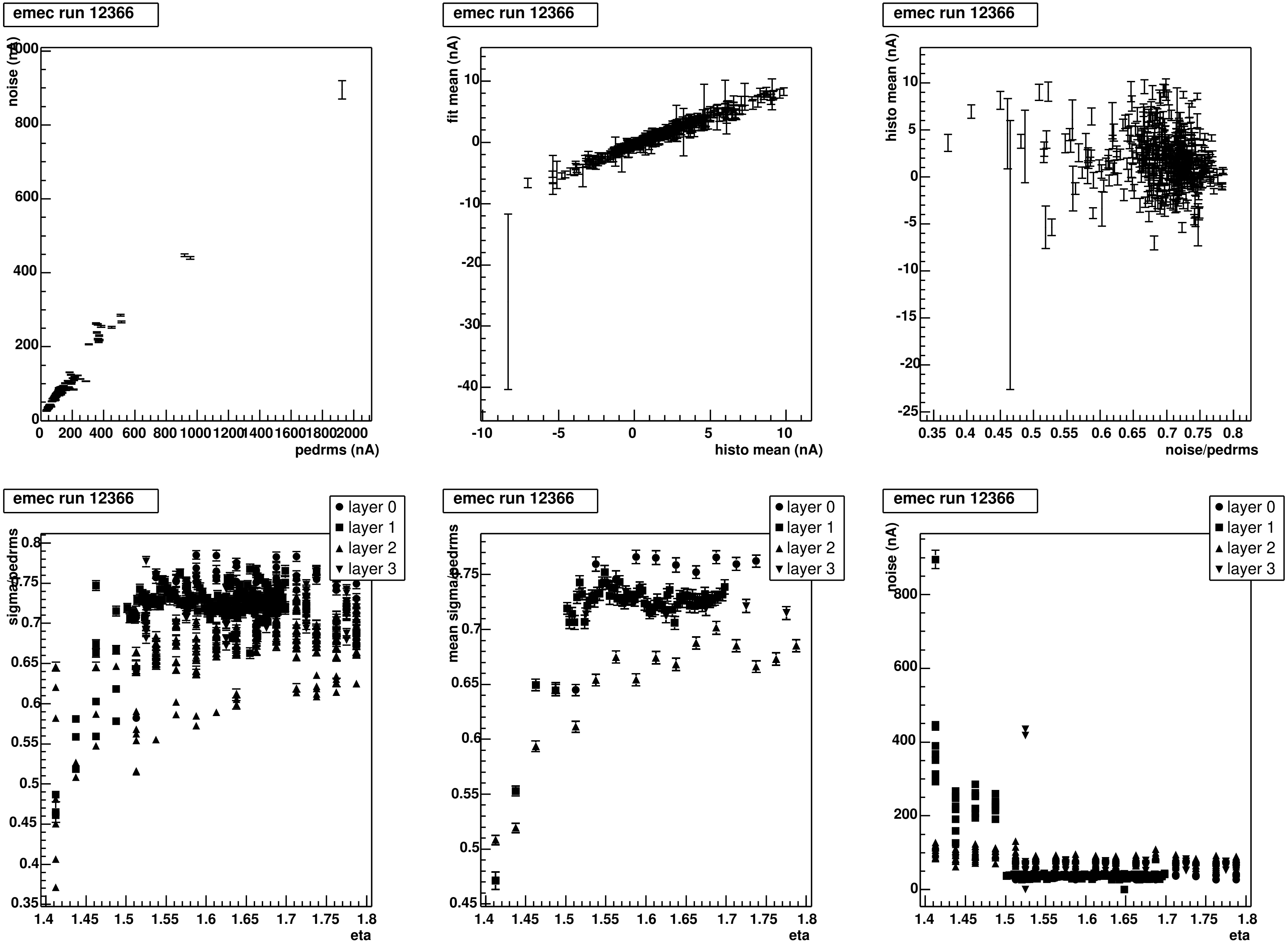
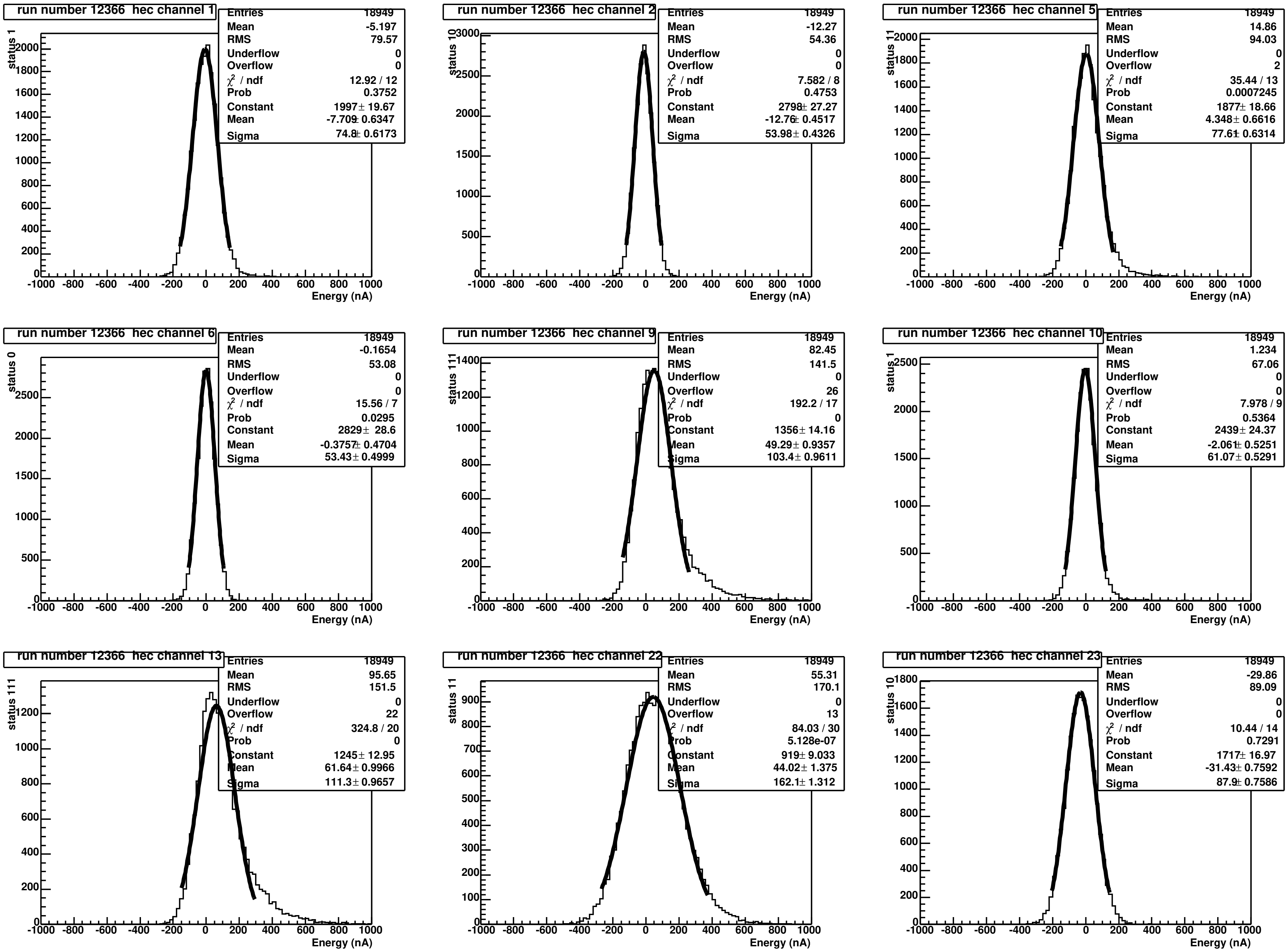
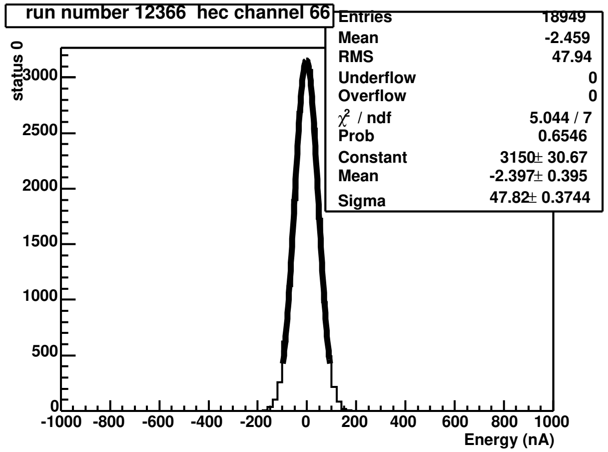
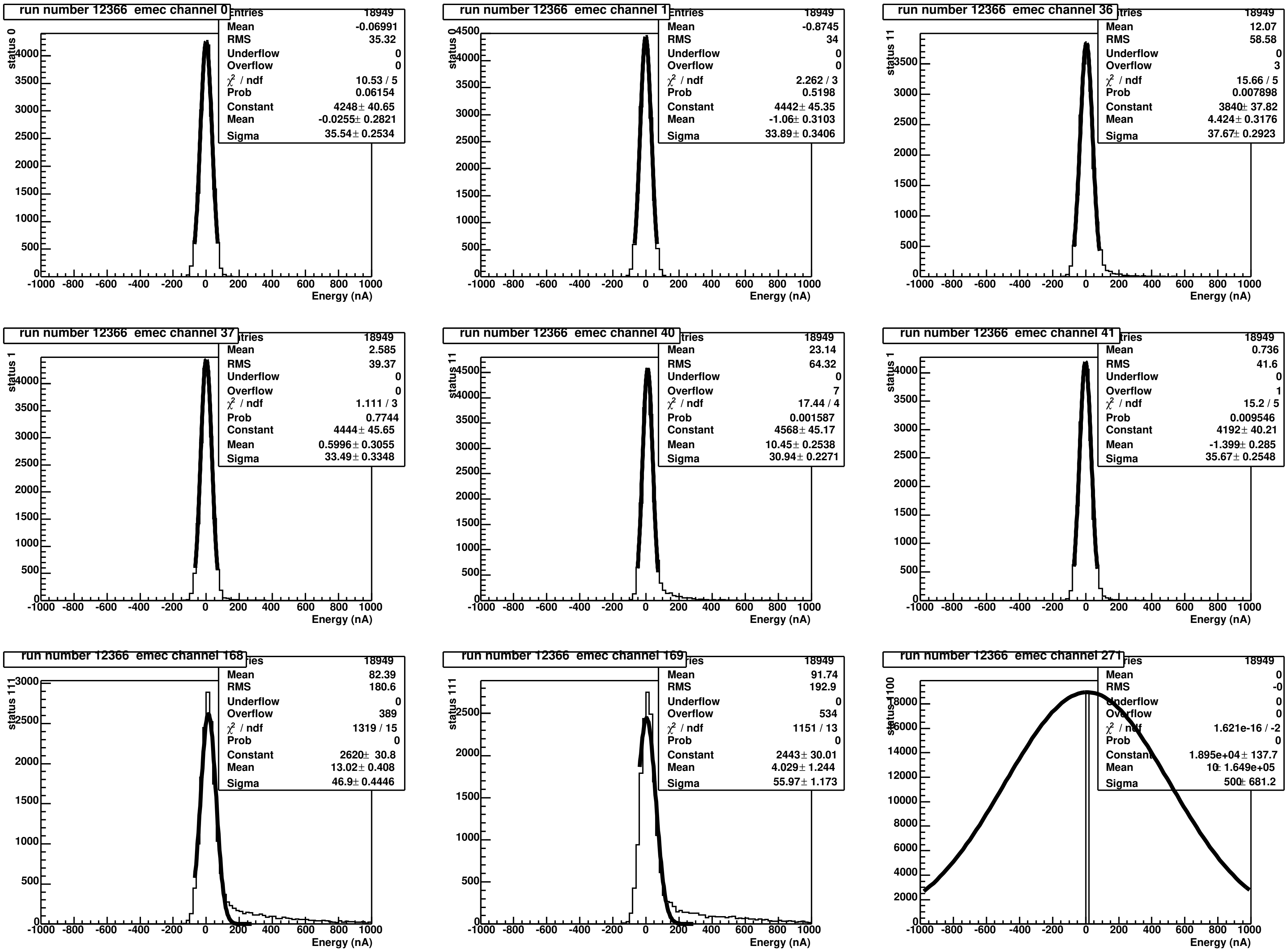


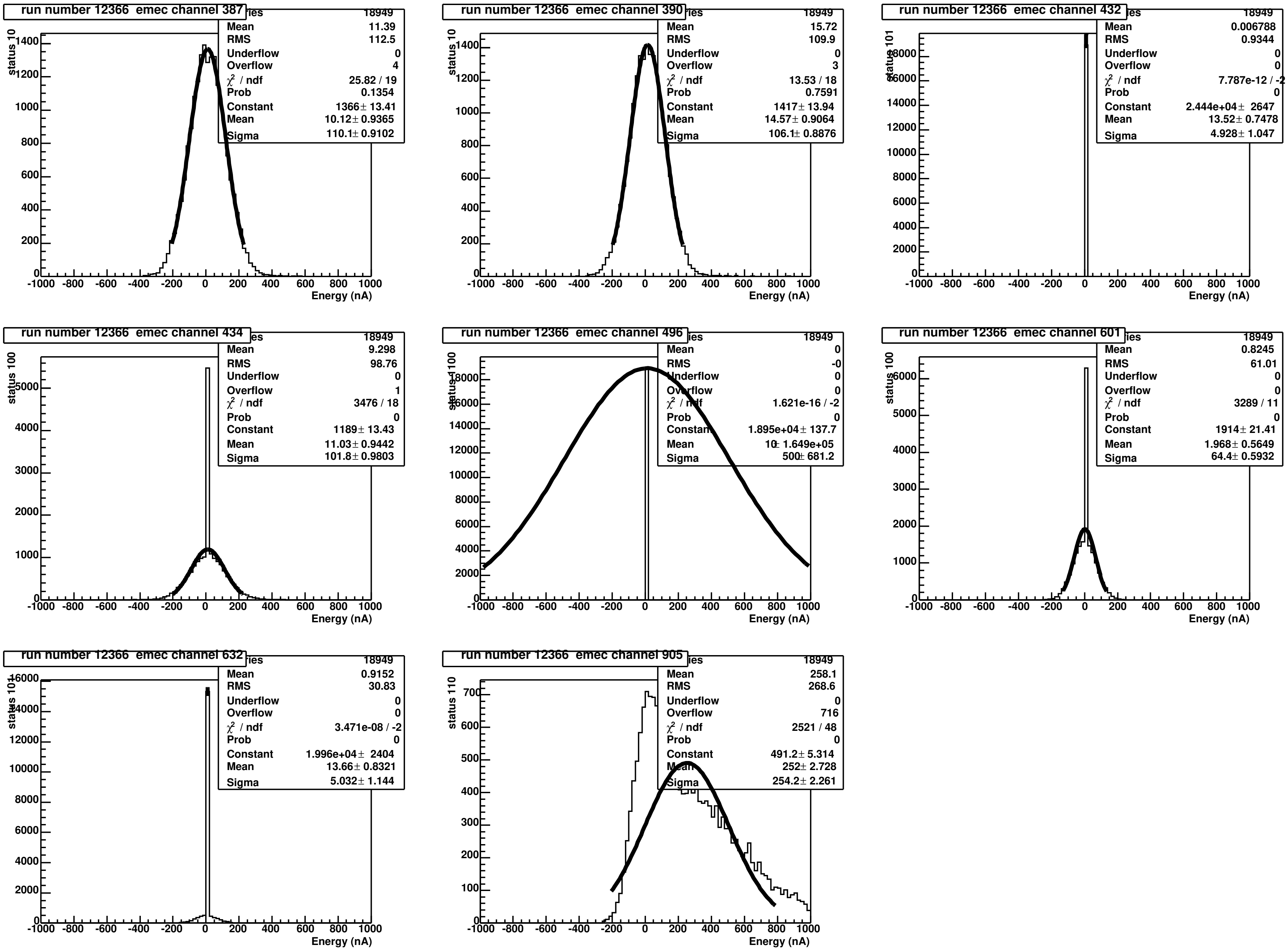
hec run 12366
noise (nA)
pedrms (nA)
40
60
80
100
120
140
80
100
120
140
160
180
200
220
hec run 12366
fit mean (nA)
histo mean (nA)
-10
-5
0
5
10
-8
-6
-4
-2
0
2
4
6
8
10
hec run 12366
histo mean (nA)
noise/pedrms
-10
-5
0
5
10
0.55
0.6
0.65
0.7
0.75
hec run 12366
layer 1
layer 2
layer 3
sigma/pedrms
eta
0.55
0.6
0.65
0.7
0.75
1.6
1.8
2
2.2
2.4
2.6
2.8
3
3.2
hec run 12366
layer 1
layer 2
layer 3
mean sigma/pedrms
eta
0.56
0.58
0.6
0.62
0.64
0.66
0.68
0.7
0.72
1.6
1.8
2
2.2
2.4
2.6
2.8
3
3.2
hec run 12366
layer 1
layer 2
layer 3
noise (nA)
eta
40
60
80
100
120
140
1.6
1.8
2
2.2
2.4
2.6
2.8
3
3.2


emec run 12366
noise (nA)
pedrms (nA)
emec run 12366
fit mean (nA)
histo mean (nA)
emec run 12366
histo mean (nA)
noise/pedrms
emec run 12366
sigma/pedrms
eta
layer 0
layer 1
layer 2
layer 3
emec run 12366
mean sigma/pedrms
eta
layer 0
layer 1
layer 2
layer 3
emec run 12366
noise (nA)
eta
layer 0
layer 1
layer 2
layer 3


run number 12366 hec channel 1
status 1
Entries 18949
Mean -5.197
RMS 79.57
Underflow 0
Overflow 0
χ² / ndf 12.92 / 12
Prob 0.3752
Constant 1997± 19.67
Mean -7.709± 0.6347
Sigma 74.8± 0.6173
Energy (nA)
run number 12366 hec channel 2
status 10
Entries 18949
Mean -12.27
RMS 54.36
Underflow 0
Overflow 0
χ² / ndf 7.582 / 8
Prob 0.4753
Constant 2798± 27.27
Mean -12.76± 0.4517
Sigma 53.98± 0.4326
Energy (nA)
run number 12366 hec channel 5
status 11
Entries 18949
Mean 14.86
RMS 94.03
Underflow 0
Overflow 2
χ² / ndf 35.44 / 13
Prob 0.0007245
Constant 1877± 18.66
Mean 4.348± 0.6616
Sigma 77.61± 0.6314
Energy (nA)
run number 12366 hec channel 6
status 0
Entries 18949
Mean -0.1654
RMS 53.08
Underflow 0
Overflow 0
χ² / ndf 15.56 / 7
Prob 0.0295
Constant 2829± 28.6
Mean -0.3757± 0.4704
Sigma 53.43± 0.4999
Energy (nA)
run number 12366 hec channel 9
status 111
Entries 18949
Mean 82.45
RMS 141.5
Underflow 0
Overflow 26
χ² / ndf 192.2 / 17
Prob 0
Constant 1356± 14.16
Mean 49.29± 0.9357
Sigma 103.4± 0.9611
Energy (nA)
run number 12366 hec channel 10
status 1
Entries 18949
Mean 1.234
RMS 67.06
Underflow 0
Overflow 0
χ² / ndf 7.978 / 9
Prob 0.5364
Constant 2439± 24.37
Mean -2.061± 0.5251
Sigma 61.07± 0.5291
Energy (nA)
run number 12366 hec channel 13
status 111
Entries 18949
Mean 95.65
RMS 151.5
Underflow 0
Overflow 22
χ² / ndf 324.8 / 20
Prob 0
Constant 1245± 12.95
Mean 61.64± 0.9966
Sigma 111.3± 0.9657
Energy (nA)
run number 12366 hec channel 22
status 11
Entries 18949
Mean 55.31
RMS 170.1
Underflow 0
Overflow 13
χ² / ndf 84.03 / 30
Prob 5.128e-07
Constant 919± 9.033
Mean 44.02± 1.375
Sigma 162.1± 1.312
Energy (nA)
run number 12366 hec channel 23
status 10
Entries 18949
Mean -29.86
RMS 89.09
Underflow 0
Overflow 0
χ² / ndf 10.44 / 14
Prob 0.7291
Constant 1717± 16.97
Mean -31.43± 0.7592
Sigma 87.9± 0.7586
Energy (nA)


run number 12366 hec channel 66
Entries 18949
Mean -2.459
RMS 47.94
Underflow 0
Overflow 0
χ2 / ndf 5.044 / 7
Prob 0.6546
Constant 3150± 30.67
Mean -2.397± 0.395
Sigma 47.82± 0.3744
status 0
0
500
1000
1500
2000
2500
3000
-1000
-800
-600
-400
-200
0
200
400
600
800
1000
Energy (nA)


run number 12366 emec channel 0
status 0
Energy (nA)
ntries 18949
Mean -0.06991
RMS 35.32
Underflow 0
Overflow 0
χ^2 / ndf 10.53 / 5
Prob 0.06154
Constant 4248± 40.65
Mean -0.0255± 0.2821
Sigma 35.54± 0.2534
run number 12366 emec channel 1
status 0
Energy (nA)
ntries 18949
Mean -0.8745
RMS 34
Underflow 0
Overflow 0
χ^2 / ndf 2.262 / 3
Prob 0.5198
Constant 4442± 45.35
Mean -1.06± 0.3103
Sigma 33.89± 0.3406
run number 12366 emec channel 36
status 11
Energy (nA)
tries 18949
Mean 12.07
RMS 58.58
Underflow 0
Overflow 3
χ^2 / ndf 15.66 / 5
Prob 0.007898
Constant 3840± 37.82
Mean 4.424± 0.3176
Sigma 37.67± 0.2923
run number 12366 emec channel 37
status 1
Energy (nA)
ntries 18949
Mean 2.585
RMS 39.37
Underflow 0
Overflow 0
χ^2 / ndf 1.111 / 3
Prob 0.7744
Constant 4444± 45.65
Mean 0.5996± 0.3055
Sigma 33.49± 0.3348
run number 12366 emec channel 40
status 11
Energy (nA)
tries 18949
Mean 23.14
RMS 64.32
Underflow 0
Overflow 7
χ^2 / ndf 17.44 / 4
Prob 0.001587
Constant 4568± 45.17
Mean 10.45± 0.2538
Sigma 30.94± 0.2271
run number 12366 emec channel 41
status 1
Energy (nA)
tries 18949
Mean 0.736
RMS 41.6
Underflow 0
Overflow 1
χ^2 / ndf 15.2 / 5
Prob 0.009546
Constant 4192± 40.21
Mean -1.399± 0.285
Sigma 35.67± 0.2548
run number 12366 emec channel 168
status 111
Energy (nA)
ries 18949
Mean 82.39
RMS 180.6
Underflow 0
Overflow 389
χ^2 / ndf 1319 / 15
Prob 0
Constant 2620± 30.8
Mean 13.02± 0.408
Sigma 46.9± 0.4446
run number 12366 emec channel 169
status 111
Energy (nA)
ies 18949
Mean 91.74
RMS 192.9
Underflow 0
Overflow 534
χ^2 / ndf 1151 / 13
Prob 0
Constant 2443± 30.01
Mean 4.029± 1.244
Sigma 55.97± 1.173
run number 12366 emec channel 271
status 1100
Energy (nA)
ries 18949
Mean 0
RMS -0
Underflow 0
Overflow 0
χ^2 / ndf 1.621e-16 / -2
Prob 0
Constant 1.895e+04± 137.7
Mean 10± 1.649e+05
Sigma 500± 681.2


run number 12366 emec channel 387
ies 18949
Mean 11.39
RMS 112.5
Underflow 0
Overflow 4
χ^2 / ndf 25.82 / 19
Prob 0.1354
Constant 1366± 13.41
Mean 10.12± 0.9365
Sigma 110.1± 0.9102
status 10
Energy (nA)
run number 12366 emec channel 390
ies 18949
Mean 15.72
RMS 109.9
Underflow 0
Overflow 3
χ^2 / ndf 13.53 / 18
Prob 0.7591
Constant 1417± 13.94
Mean 14.57± 0.9064
Sigma 106.1± 0.8876
status 10
Energy (nA)
run number 12366 emec channel 432
ies 18949
Mean 0.006788
RMS 0.9344
Underflow 0
Overflow 0
χ^2 / ndf 7.787e-12 / -2
Prob 0
Constant 2.444e+04± 2647
Mean 13.52± 0.7478
Sigma 4.928± 1.047
status 101
Energy (nA)
run number 12366 emec channel 434
ies 18949
Mean 9.298
RMS 98.76
Underflow 0
Overflow 1
χ^2 / ndf 3476 / 18
Prob 0
Constant 1189± 13.43
Mean 11.03± 0.9442
Sigma 101.8± 0.9803
status 100
Energy (nA)
run number 12366 emec channel 496
ies 18949
Mean 0
RMS -0
Underflow 0
Overflow 0
χ^2 / ndf 1.621e-16 / -2
Prob 0
Constant 1.895e+04± 137.7
Mean 10± 1.649e+05
Sigma 500± 681.2
status 100
Energy (nA)
run number 12366 emec channel 601
ies 18949
Mean 0.8245
RMS 61.01
Underflow 0
Overflow 0
χ^2 / ndf 3289 / 11
Prob 0
Constant 1914± 21.41
Mean 1.968± 0.5649
Sigma 64.4± 0.5932
status 100
Energy (nA)
run number 12366 emec channel 632
ies 18949
Mean 0.9152
RMS 30.83
Underflow 0
Overflow 0
χ^2 / ndf 3.471e-08 / -2
Prob 0
Constant 1.996e+04± 2404
Mean 13.66± 0.8321
Sigma 5.032± 1.144
status 101
Energy (nA)
run number 12366 emec channel 905
ies 18949
Mean 258.1
RMS 268.6
Underflow 0
Overflow 716
χ^2 / ndf 2521 / 48
Prob 0
Constant 491.2± 5.314
Mean 252± 2.728
Sigma 254.2± 2.261
status 110
Energy (nA)