

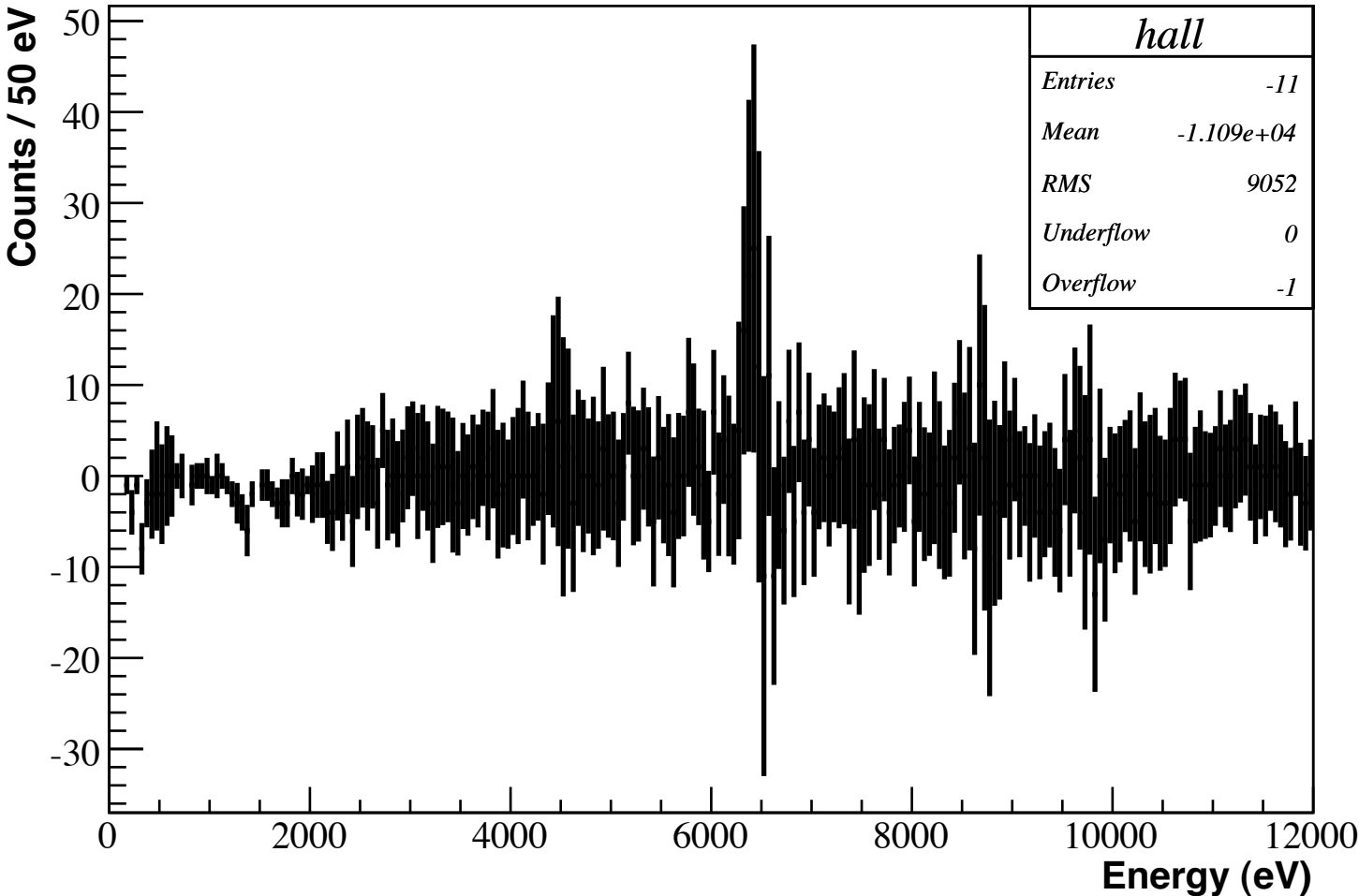
The subtracted histogram
e549 trigger with vertex cut
Okada - Tatsuno

for 16/June/2006 meeting report

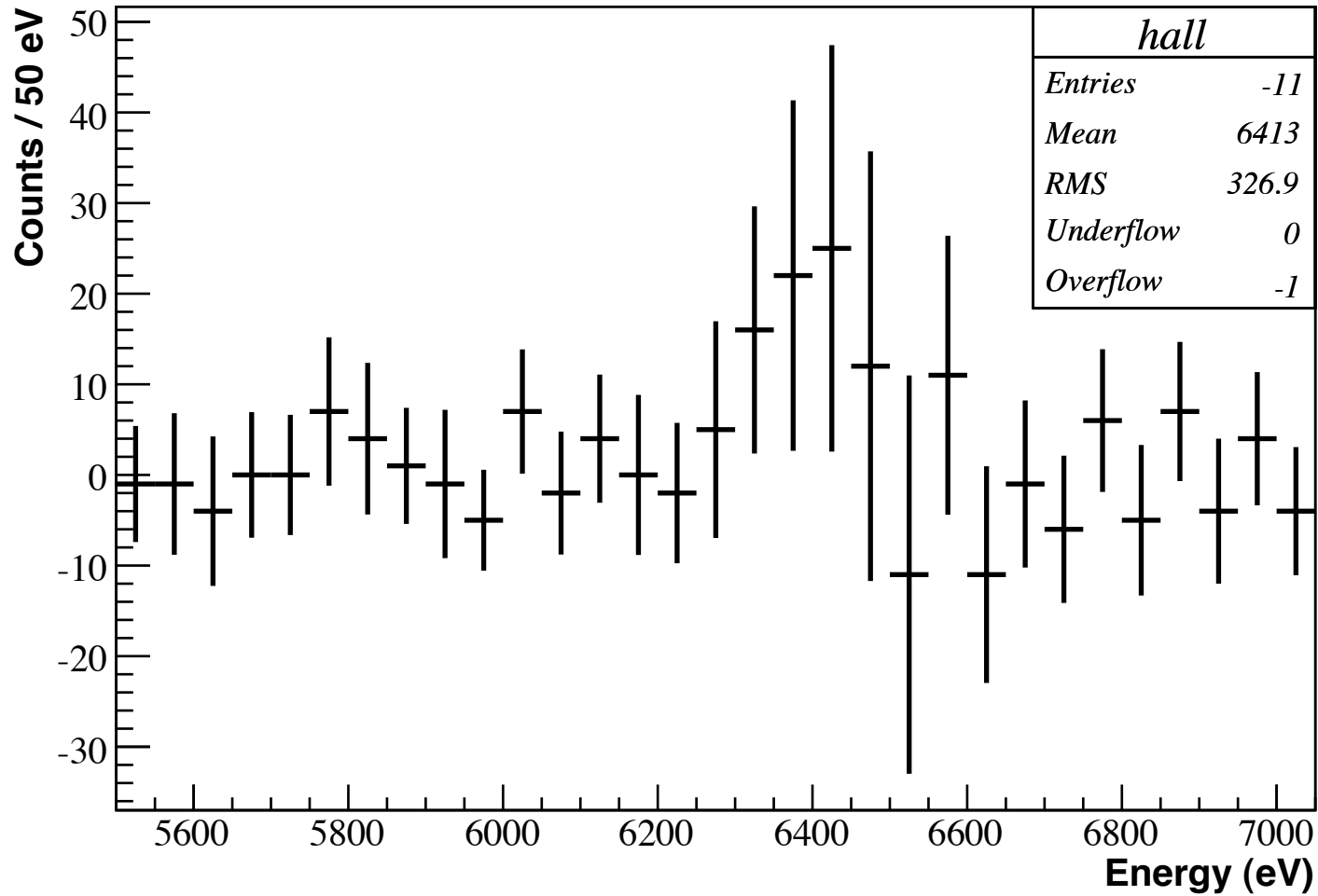
There are some systematic shifts !

We must check the event selection
and the channel to energy conversion.

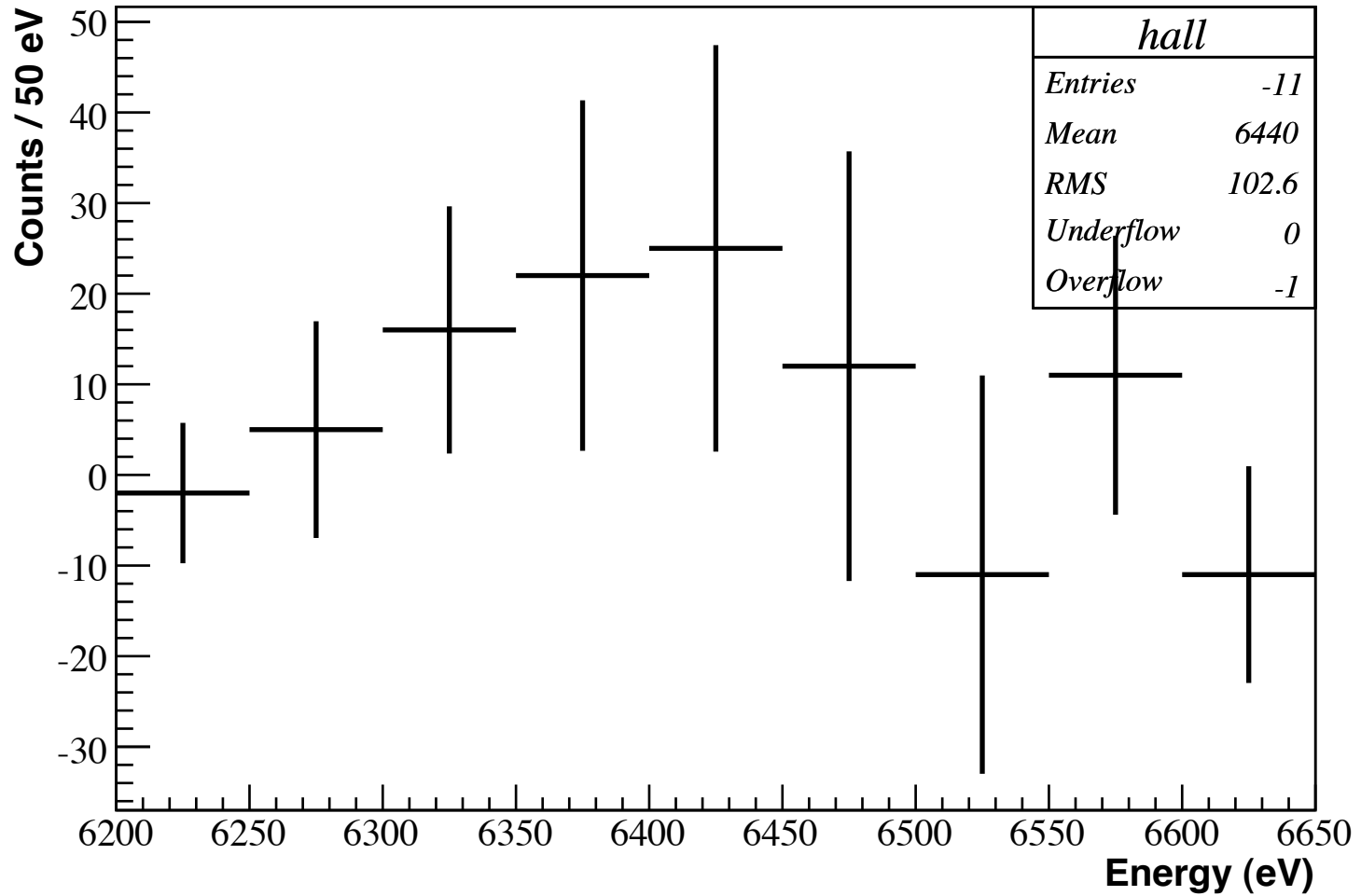
okada - tatsuno hist : e549 trig. with vertex cut



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Fit results of Okada-san's hist by Tatsuno's method

```
FCN=152.594 FROM MINOS      STATUS=SUCCESSFUL  1344 CALLS      1621 TOTAL
                        EDM=6.30012e-08  STRATEGY= 1      ERROR MATRIX ACCURATE
EXT PARAMETER              PARABOLIC              MINOS ERRORS
NO.  NAME      VALUE      ERROR      NEGATIVE      POSITIVE
 1  BGa      1.46481e+01  7.87879e+00 -7.87246e+00  7.88313e+00
 2  BGb      2.08129e-03  2.34485e-03 -2.34701e-03  2.34208e-03
 3  BGc      -1.12554e-07  1.62219e-07 -1.62017e-07  1.62380e-07
 4  Const noise [eV]  5.15757e+01  fixed
 5  Fano      1.53695e-01  fixed
 6  Ka1Kb ratio  1.36786e+00  4.29241e-01 -4.26295e-01  4.34222e-01
 7  TiKa1 Height  5.16993e+01  3.98086e+00 -3.98198e+00  3.97966e+00
 8  NiKa1 Height  1.99031e+01  2.80014e+00 -2.80172e+00  2.79865e+00
 9  KHeXLa Height  3.06892e+02  1.15268e+01 -1.14889e+01  1.15635e+01
10  LaLb ratio  3.46207e-01  2.28293e-02 -2.25183e-02  2.31849e-02
11  LaLg ratio  1.70526e-01  1.75860e-02 -1.74205e-02  1.77833e-02
12  Gamma [eV]  2.63213e+01  7.90670e+00 -7.82301e+00  7.99941e+00
13  Shift [eV]  -7.22734e+00  2.71876e+00 -2.72391e+00  2.71793e+00
14  TiKa1 Mean [eV]  4.51073e+03  fixed
15  NiKa1 Mean [eV]  7.47870e+03  fixed
16  TiKb1 Mean [eV]  4.92467e+03  fixed
17  NiKb1 Mean [eV]  8.25492e+03  fixed
```

```
Const Noise = 51.576 +- 0.000
KHeXLa Sigma = 80.256 +- 0.010
Fano = 0.154 +- 0.000
lalb_ratio = 0.346 +- 0.023
lalg_ratio = 0.171 +- 0.018
Gamma = 26.321 +- 7.911
Shift = -7.227 +- 2.721
Chisq/NDF = 152.594/121
```

~ 7 eV shift is reproduced !