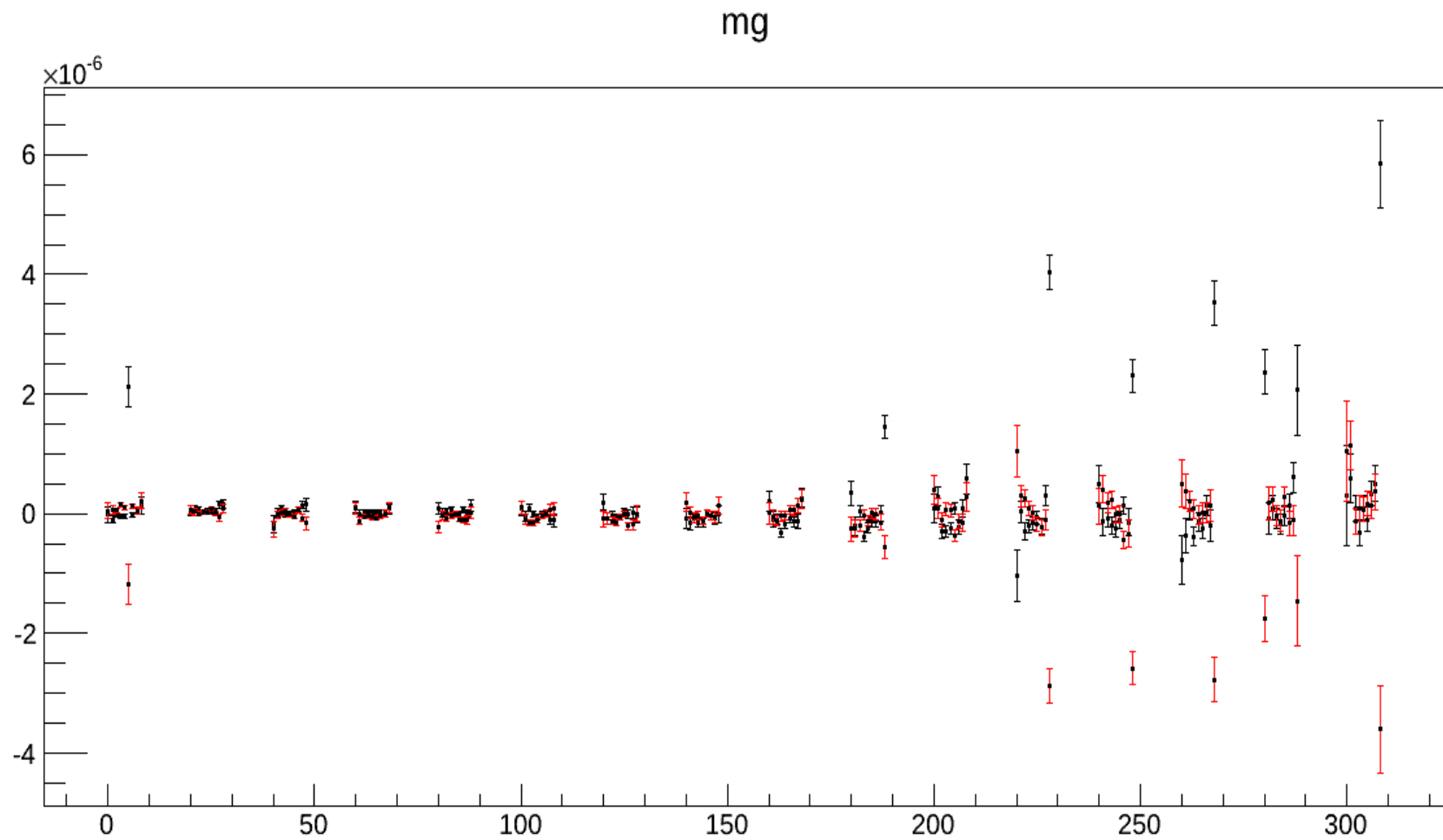
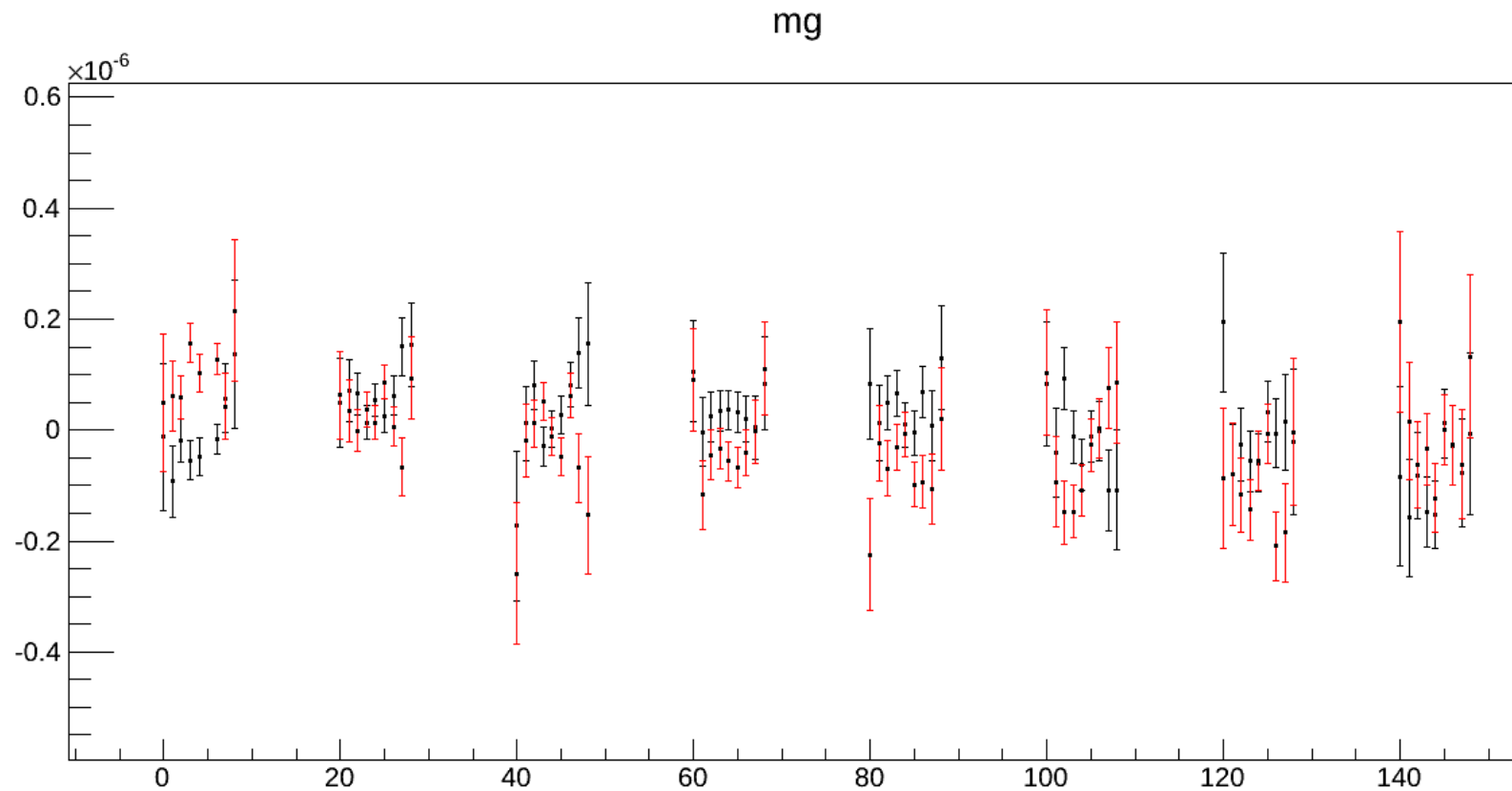


False asymmetry from wrap around neutrons

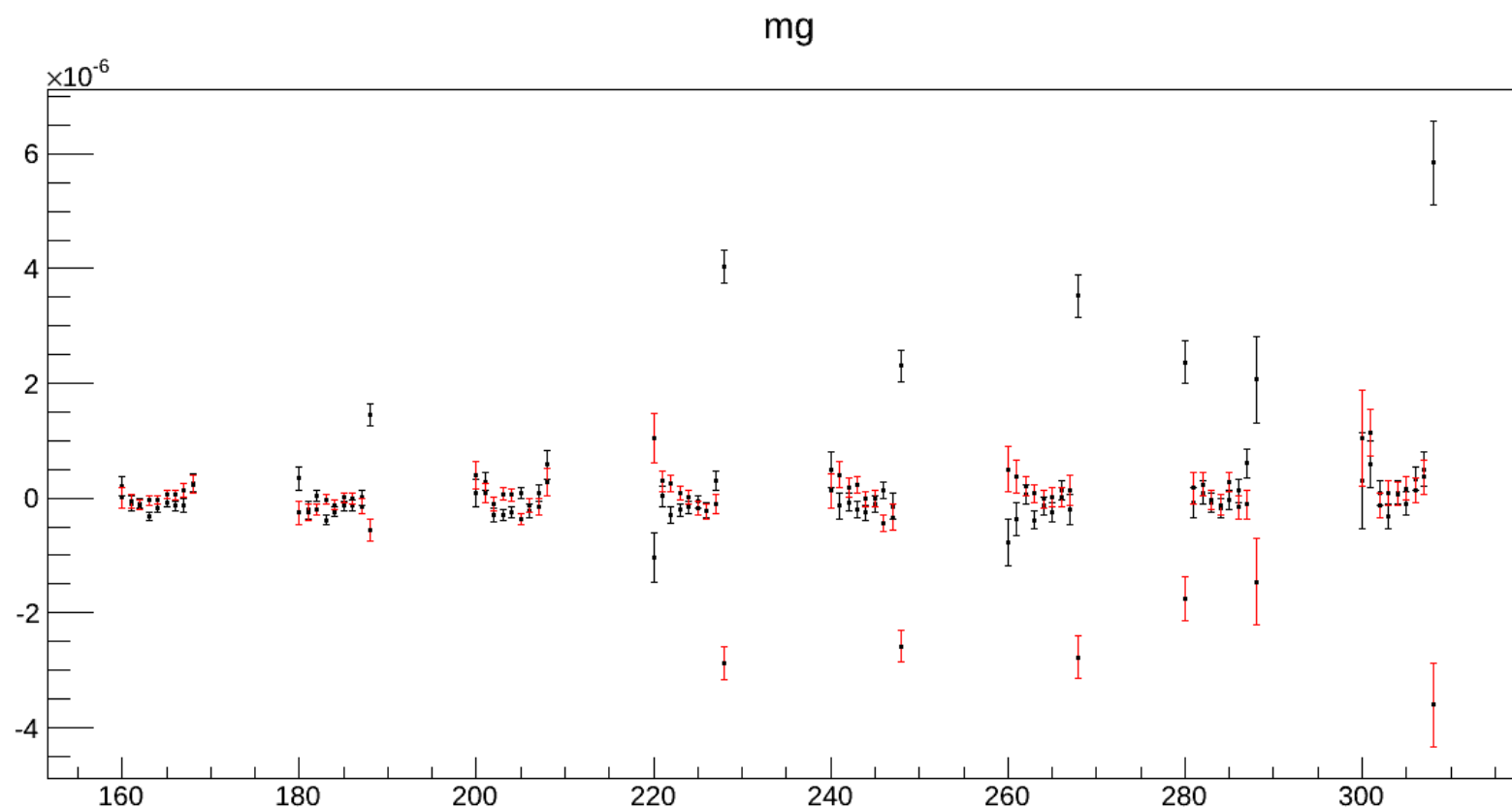
UD raw asymmetry : SF On vs Off on dropped pulses



UD raw asymmetry : SF On vs Off on dropped pulses (Front Layers)



UD raw asymmetry : SF On vs Off on dropped pulses(Back Layers)



Amplifying the signals and asymmetry for better insight

To get better insight of wrap around we amplify everything as follows:

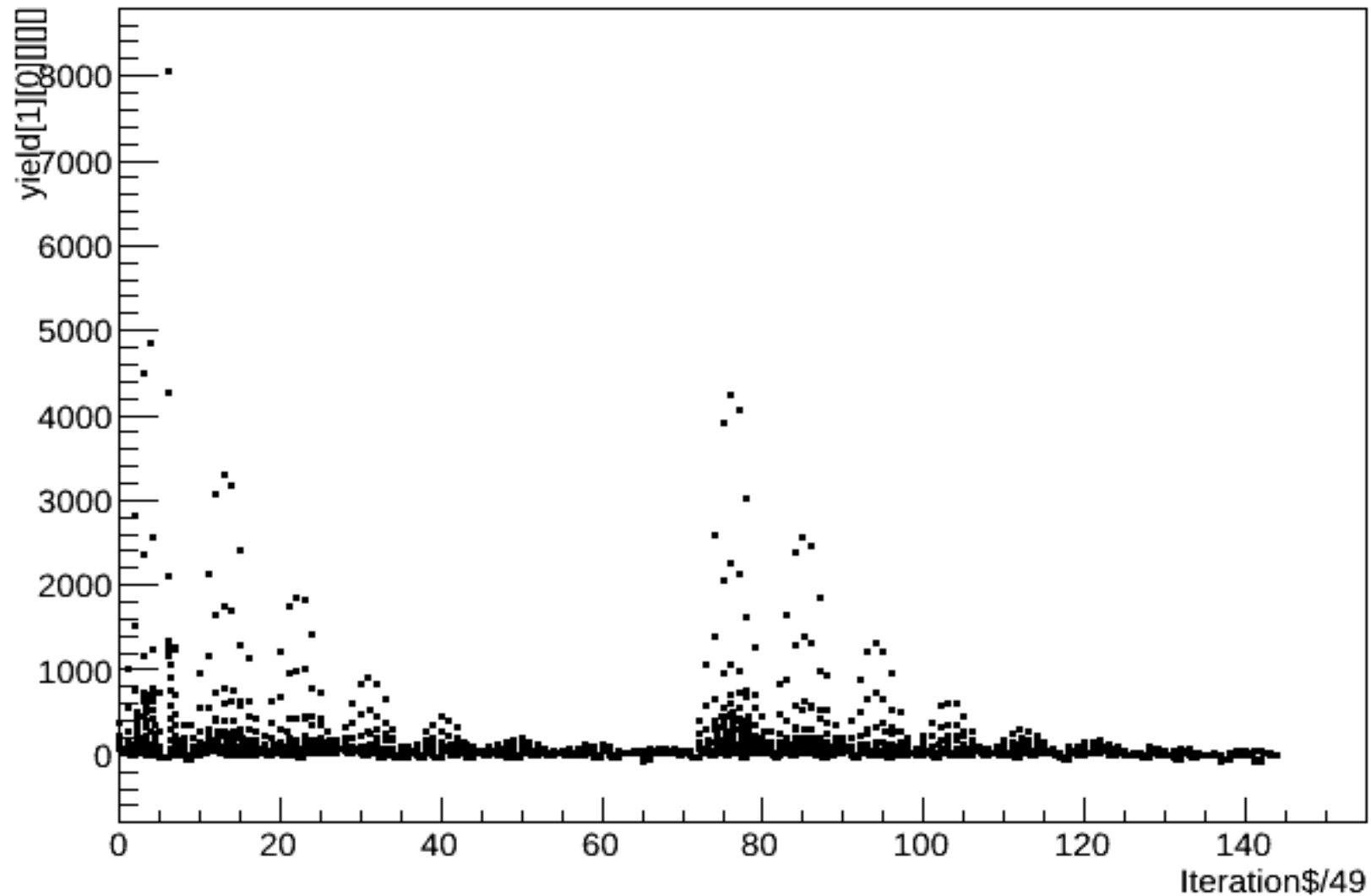
- Divide the entire data set in 600 pulse sequences.
- There will be only one dropped pulse in the sequence which is at the beginning of each sequence.
- Integrate over same time bins of all pulses for each 600 sequence over the entire data set.
- Do it separately for SF off and on state for dropped pulses.

The amplified data structure

```
Terminal - kabir@basestar:~/GIT/n3HeAnalysisTool/Analysis
File Edit View Terminal Go Help
kabir@basestar:~/GIT/n3HeAnalysisTool/Analysis x kabir@basestar:~/GIT/n3HeAnalysisTool/Analysis
root [37] t->Print()
*****
*Tree      :T              : My n3He Tree                                     *
*Entries   :      1 : Total =      317724581 bytes  File Size = 173370909 *
*          :          : Tree compression factor =   1.05                     *
*****
*Br    0 :yield            : yield[2][600][4][36][49]/D                       *
*Entries :      1 : Total Size= 135475943 bytes  File Size = 64513339 *
*Baskets :      1 : Basket Size= 25600000 bytes  Compression= 1.05 *
* ..... *
*Br    1 :dsig             : dsig[2][600][2][1624]/D                         *
*Entries :      1 : Total Size= 31181380 bytes  File Size = 28549825 *
*Baskets :      1 : Basket Size= 25600000 bytes  Compression= 1.09 *
* ..... *
*Br    2 :asym             : asym[2][600][4][36][49]/D                       *
*Entries :      1 : Total Size= 135475936 bytes  File Size = 65347736 *
*Baskets :      1 : Basket Size= 25600000 bytes  Compression= 1.04 *
* ..... *
*Br    3 :dasym            : dasym[2][600][1624]/D                         *
*Entries :      1 : Total Size= 15590979 bytes  File Size = 14959308 *
*Baskets :      1 : Basket Size= 25600000 bytes  Compression= 1.04 *
* ..... *
```

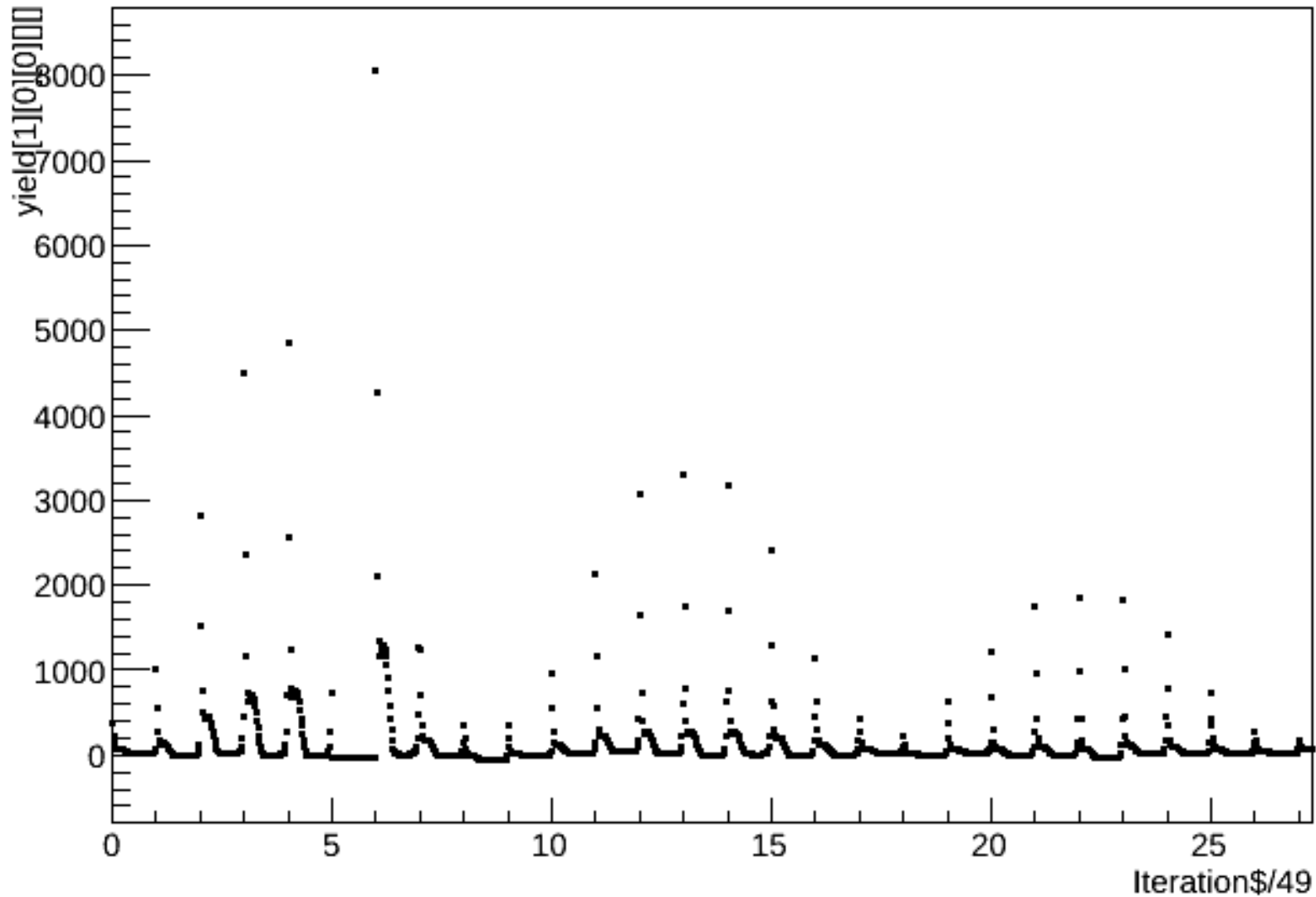
Yield for Dropped Pulses

yield[1][0]: Iteration\$/49

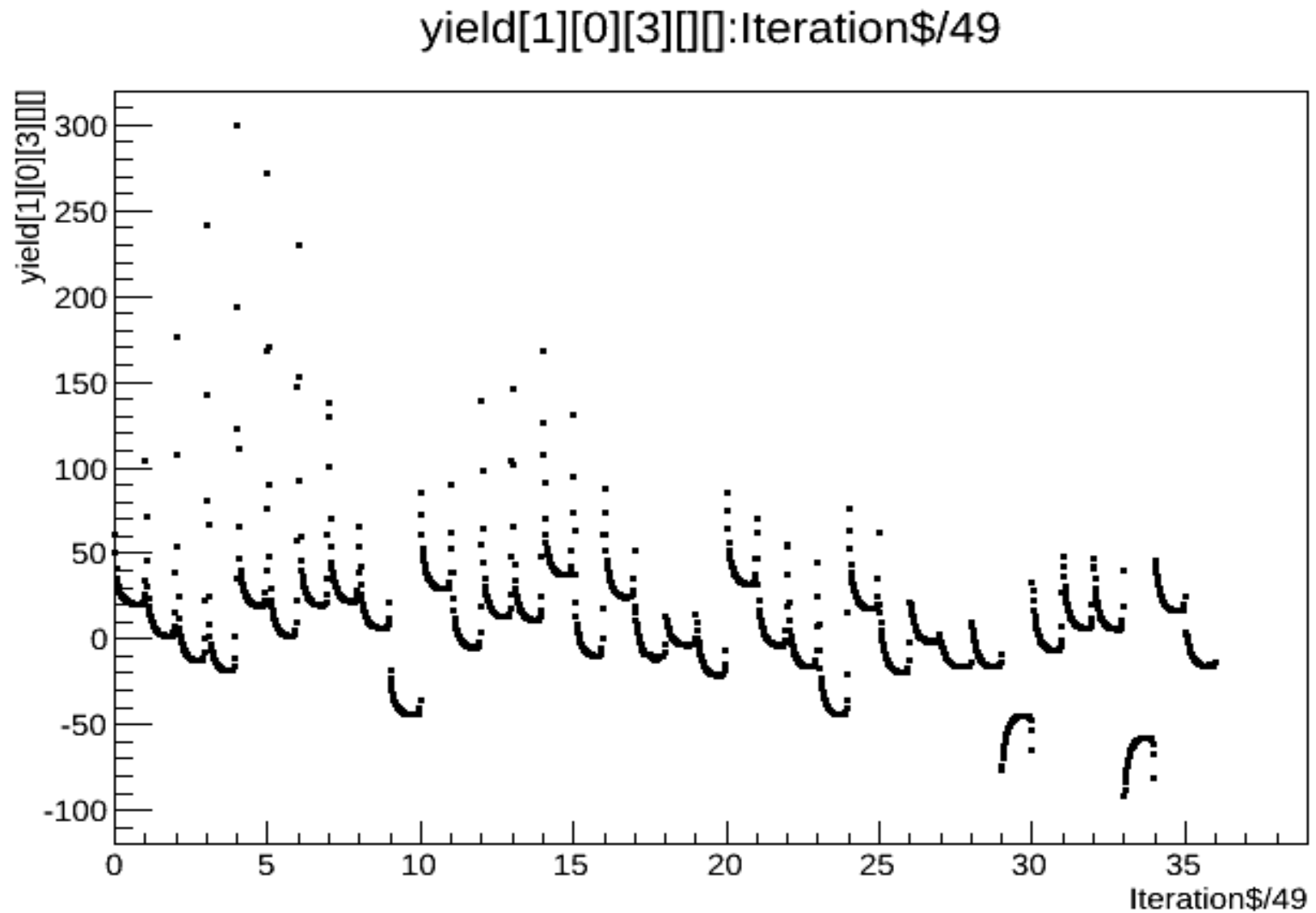


Yield for dropped pulses for DAQ21

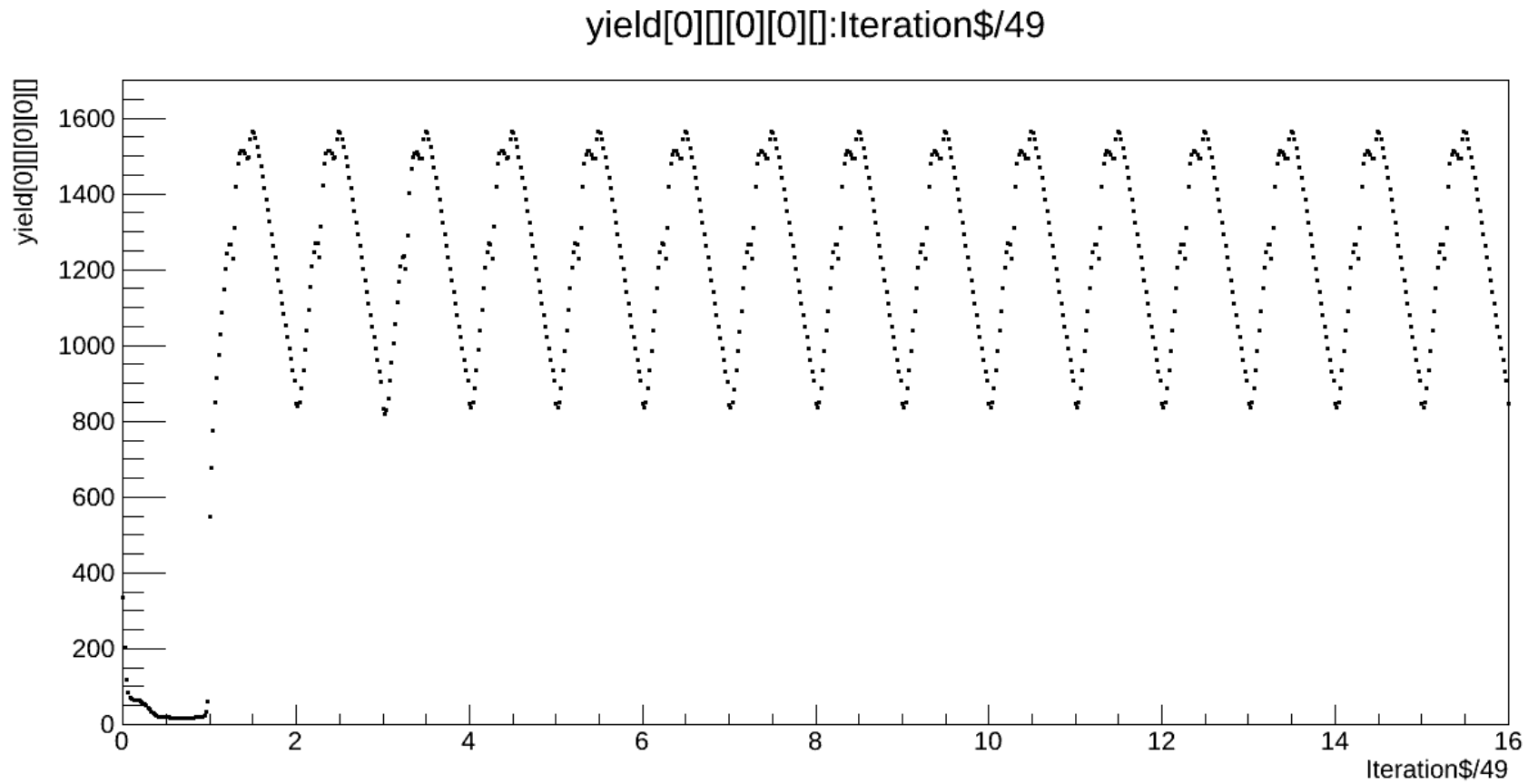
yield[1][0][0]: Iteration\$/49



Yield for dropped pulses for DAQ24

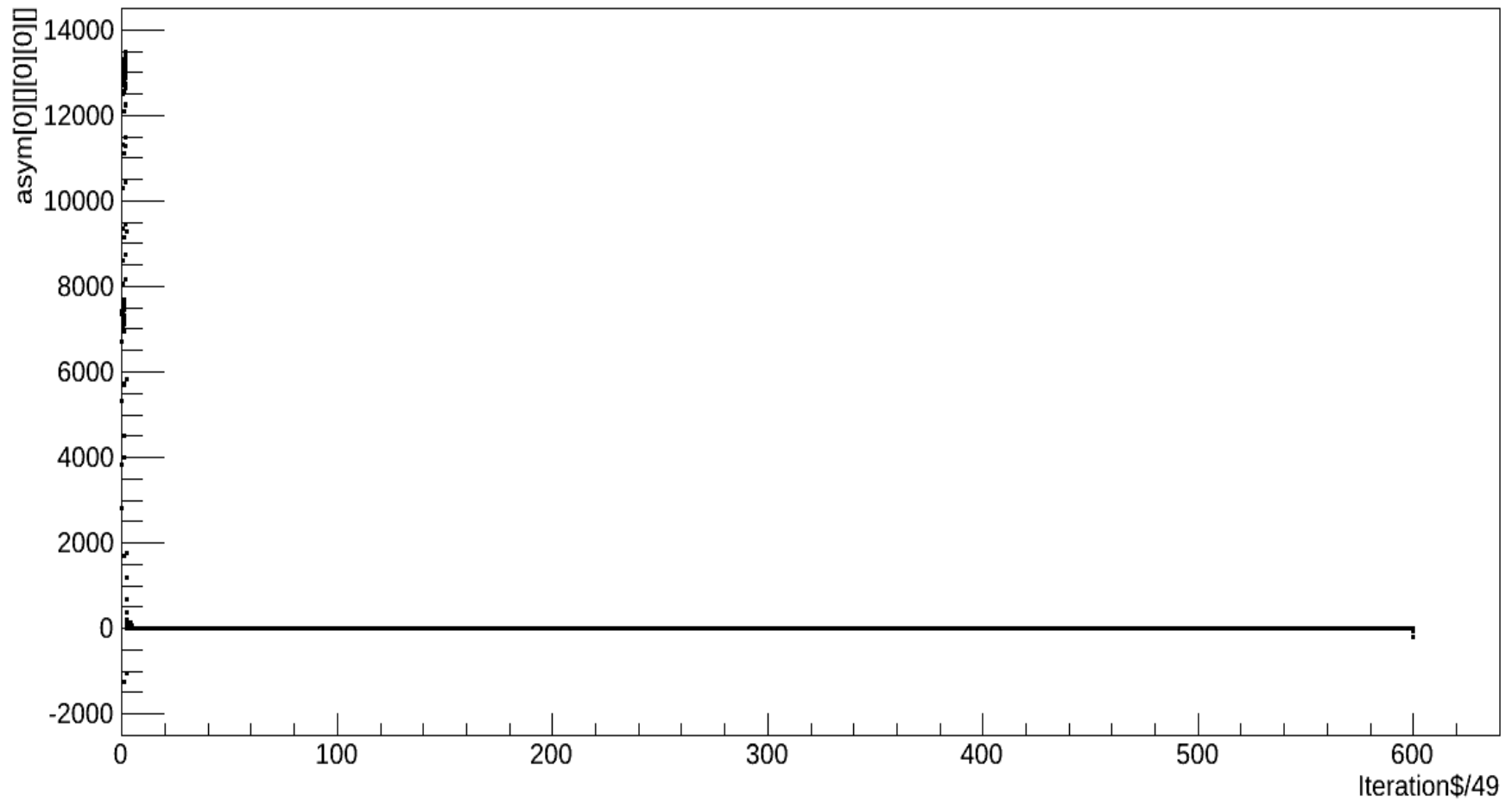


Yield Layer 0 Wire 0



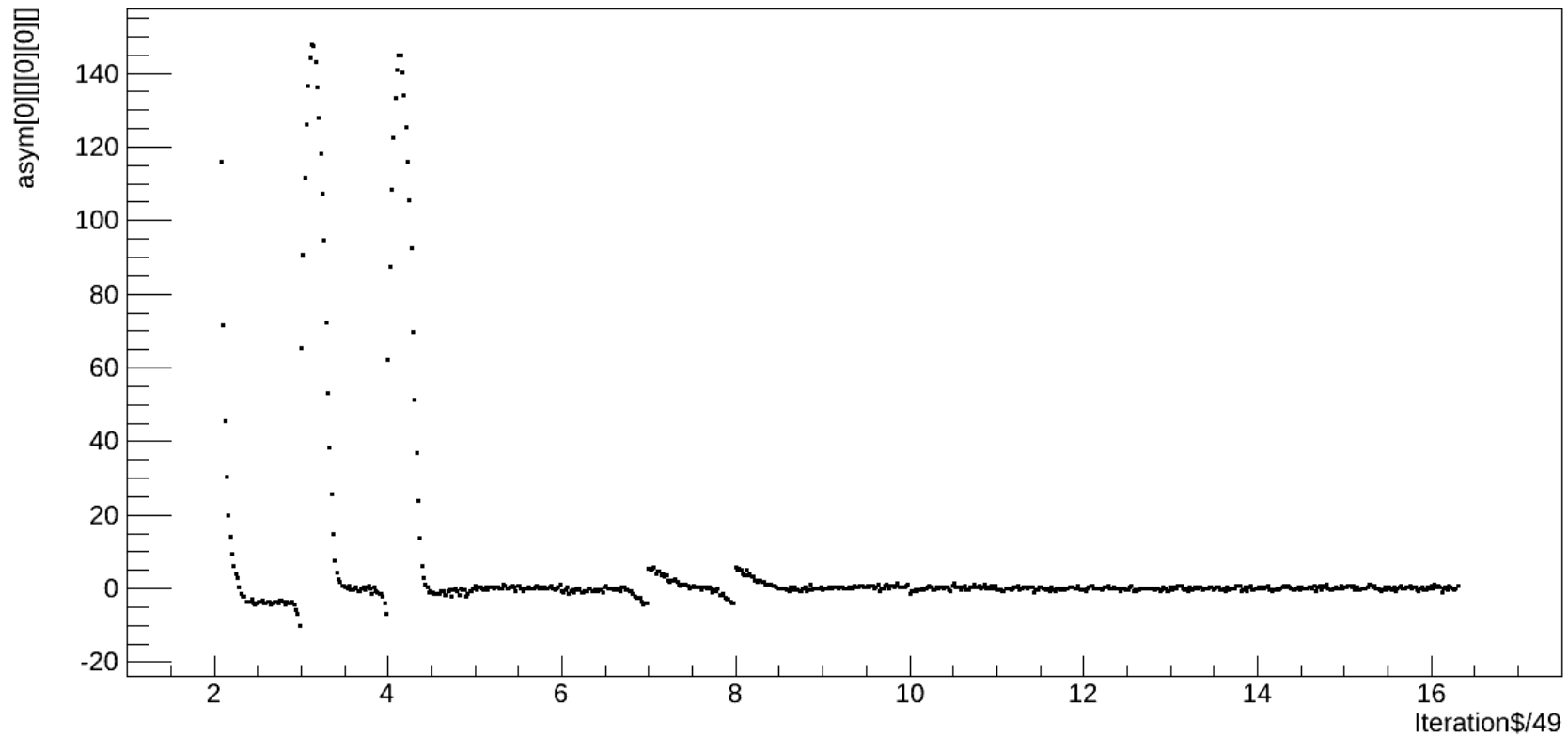
Layer: 0 Wire: 0 SF off on dropped

asym[0][0][0]:Iteration\$/49



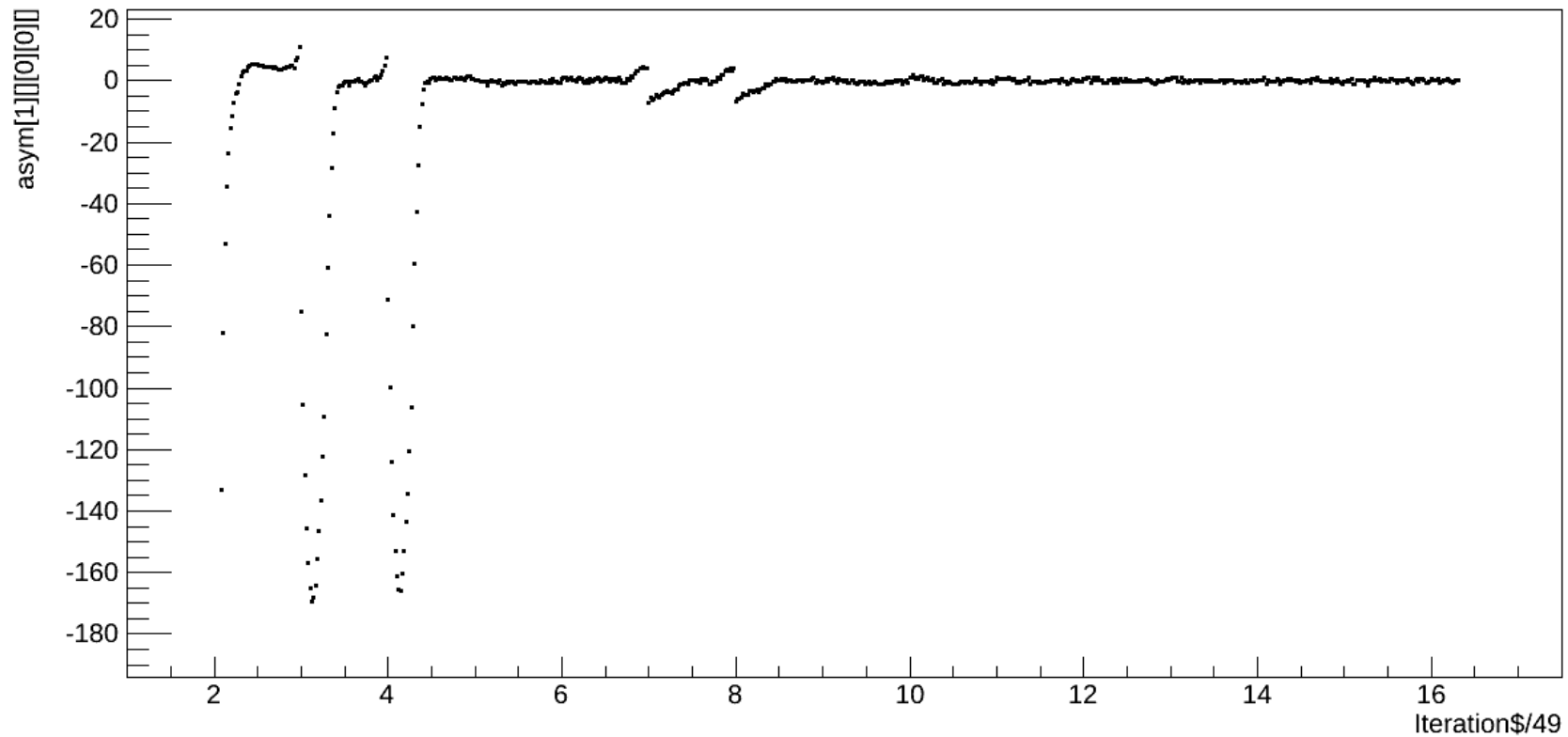
L O W 0 SF off on dropped pulses

asym[0][0][0]:Iteration\$/49 {Iteration\$>100 && Iteration\$<800}



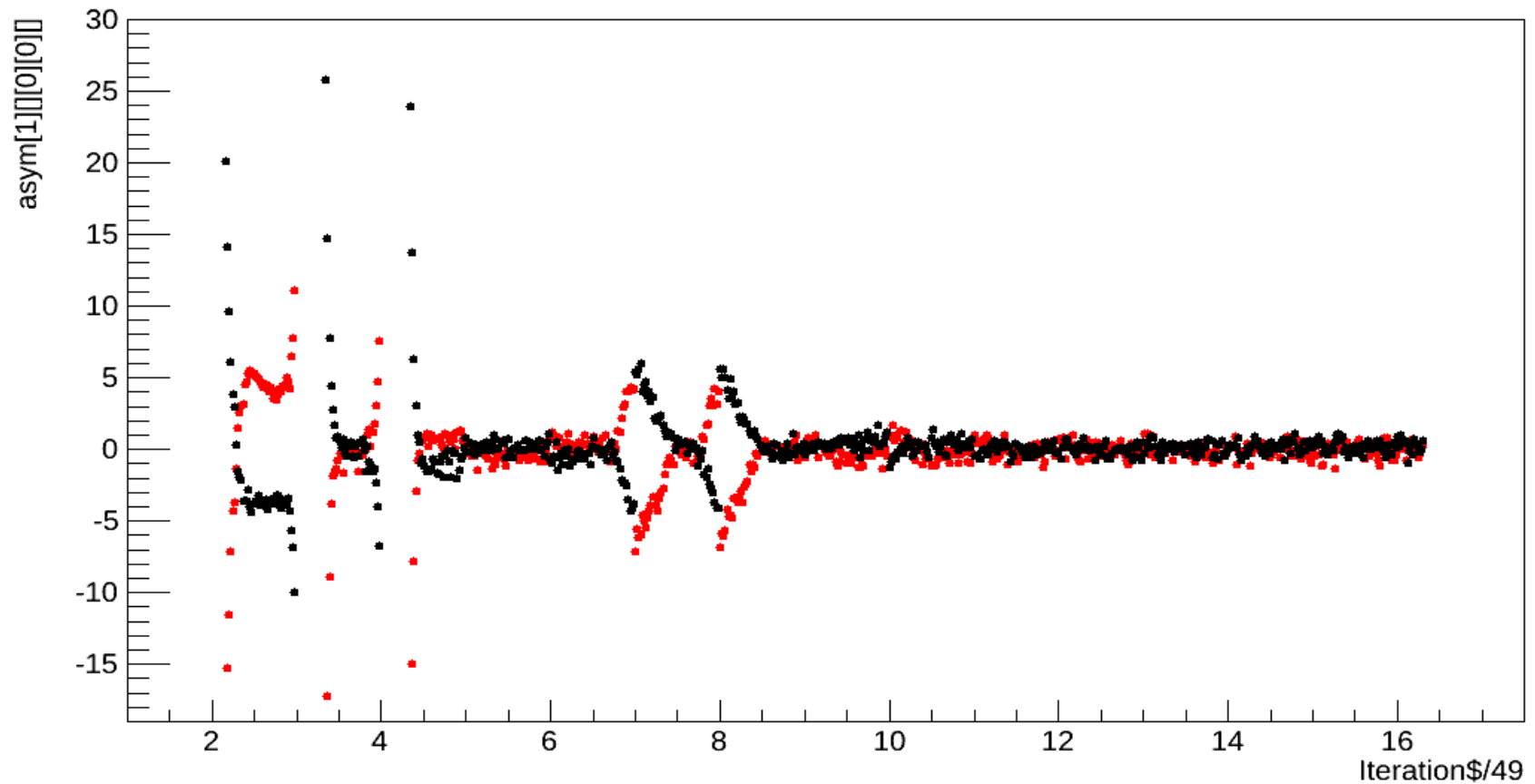
L 0 W 0 SF ON on dropped pulses

asym[1][0][0]:Iteration\$/49 {Iteration\$>100 && Iteration\$<800}



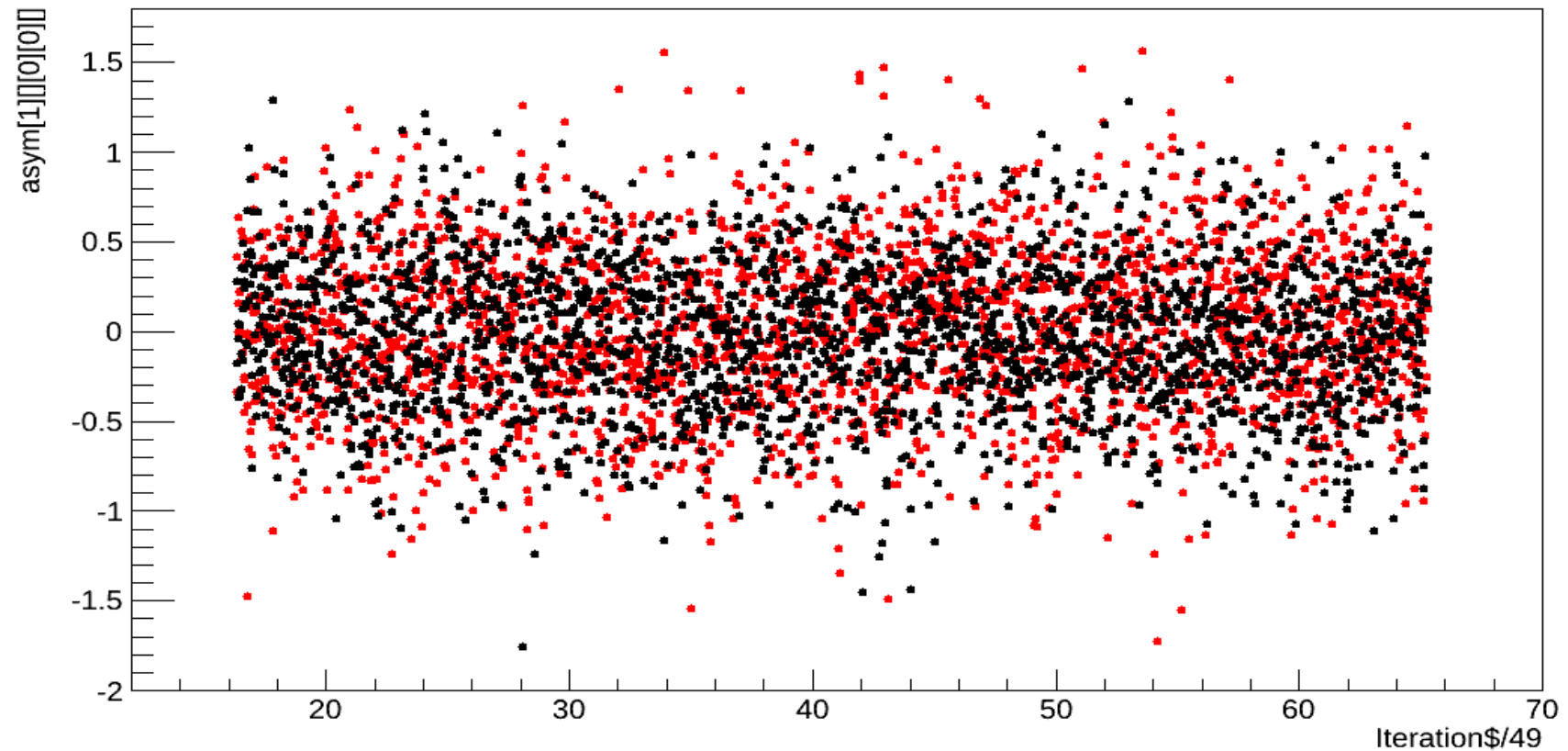
UD raw asym :SF on vs Off

asym[1][0][0]:Iteration\$/49 {Iteration\$>100 && Iteration\$<800}



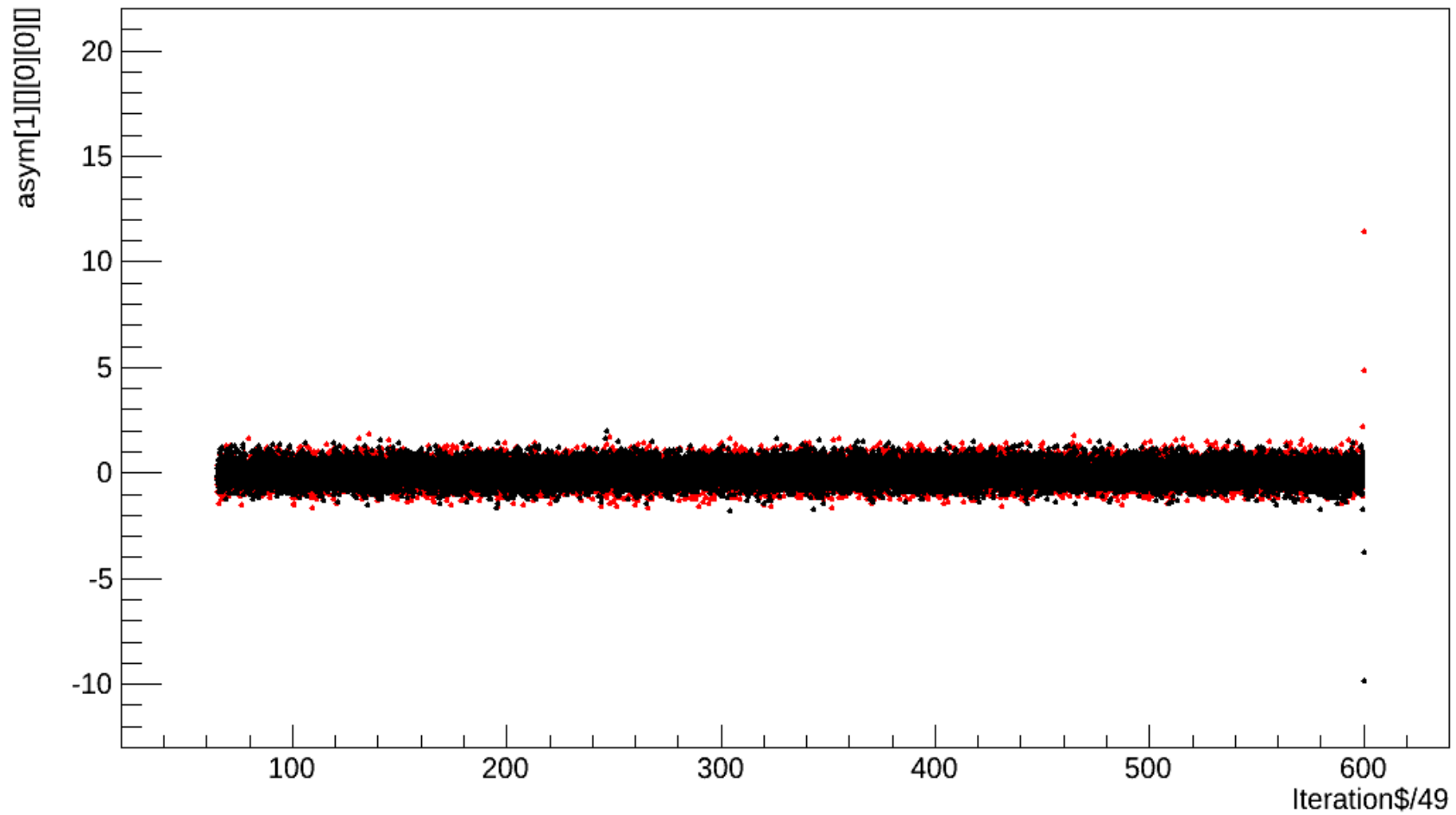
UD raw asym :SF on vs Off

asym[1][0][0]:Iteration\$/49 {Iteration\$>800 && Iteration\$<3200}

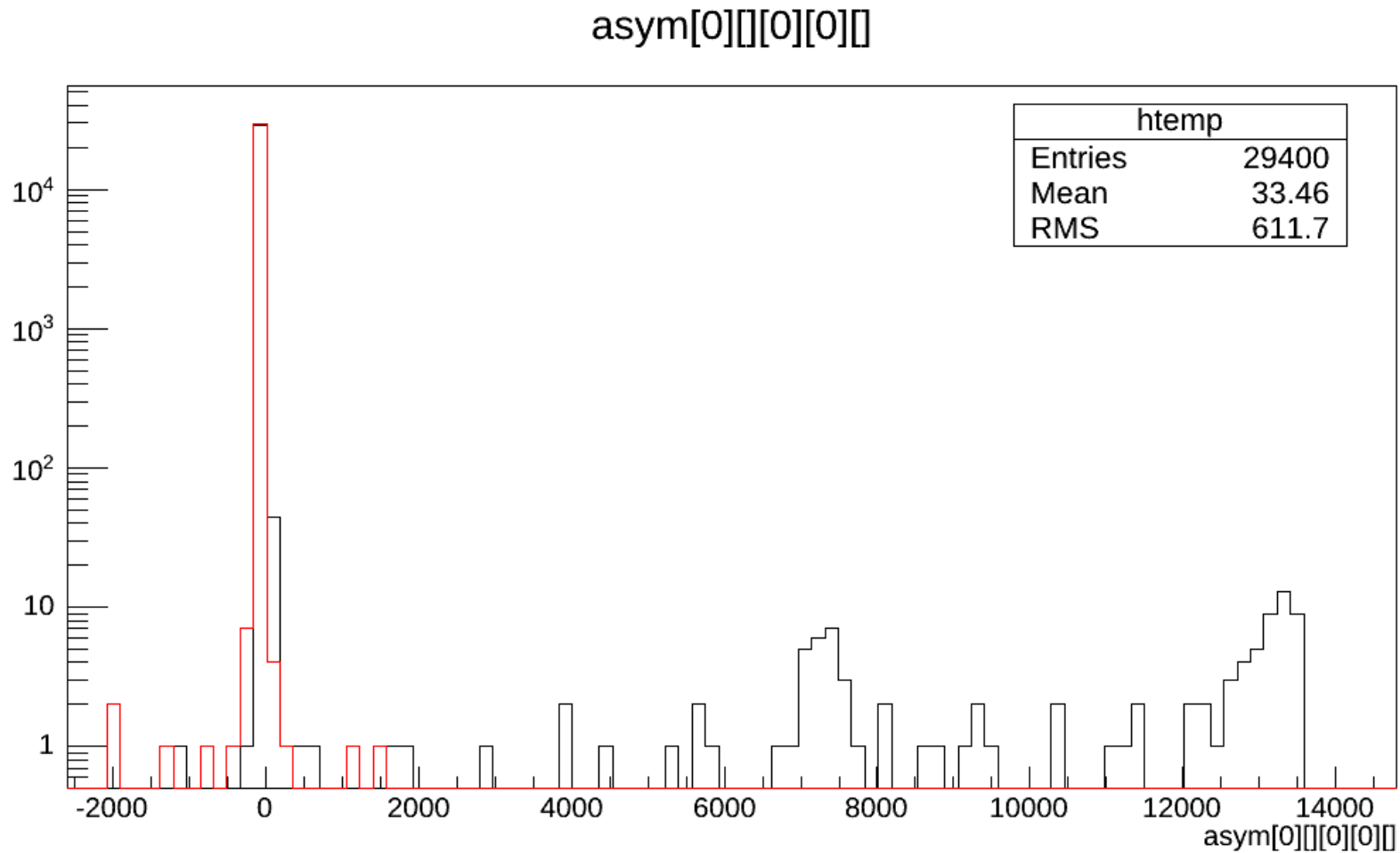


UD raw asym :SF on vs Off

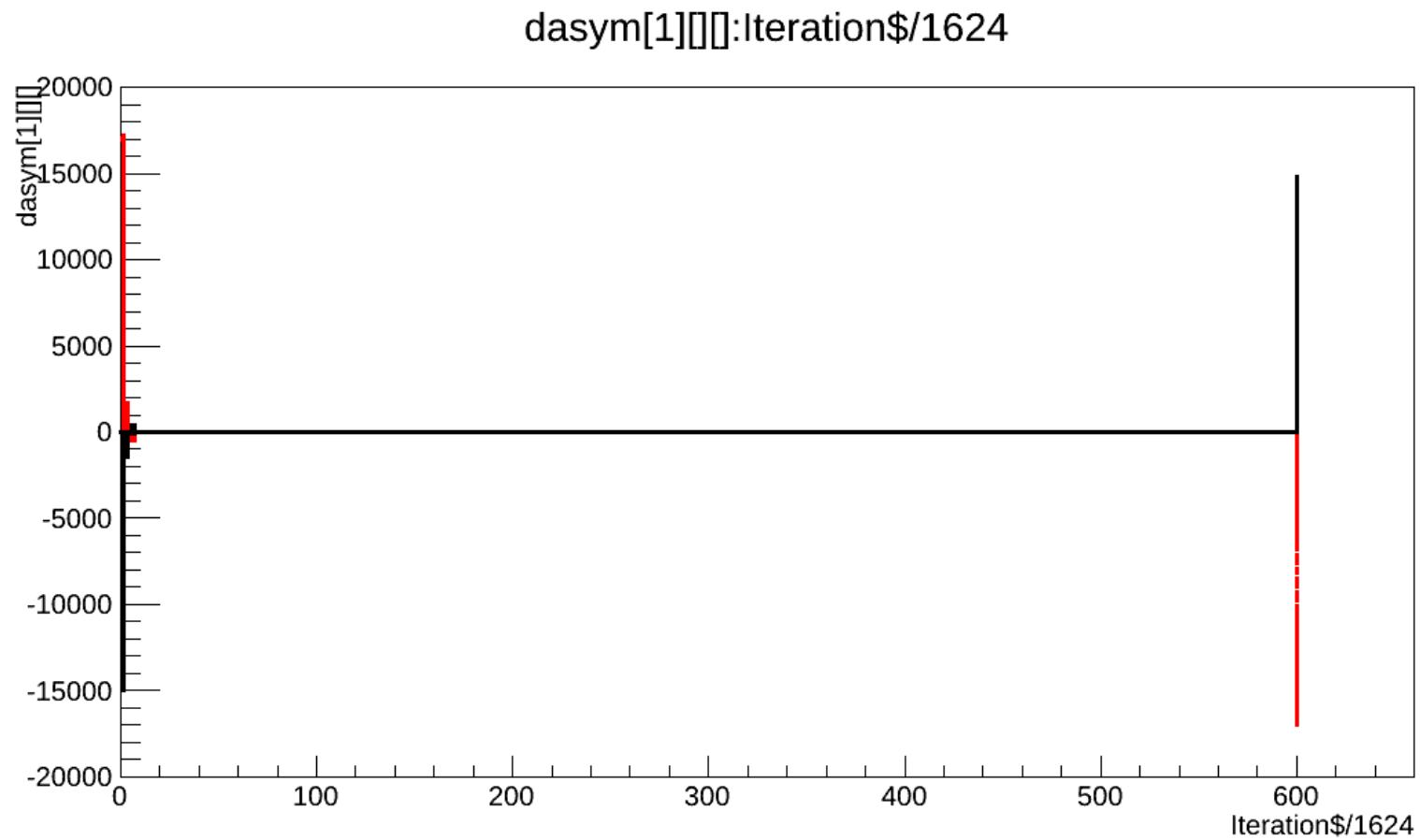
asym[1][0][0]: Iteration\$/49 {Iteration\$>3200 && Iteration\$<29400}



UD raw asym :SF on vs Off (on left its out of scale)



Beam (M1) asym: SF on vs off



Beam(M1) asym: SF on vs off

