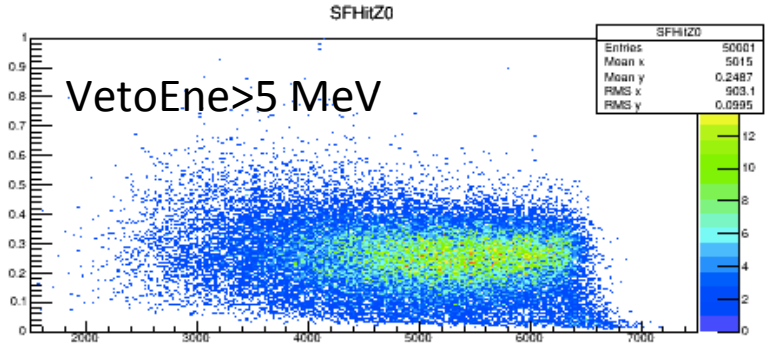
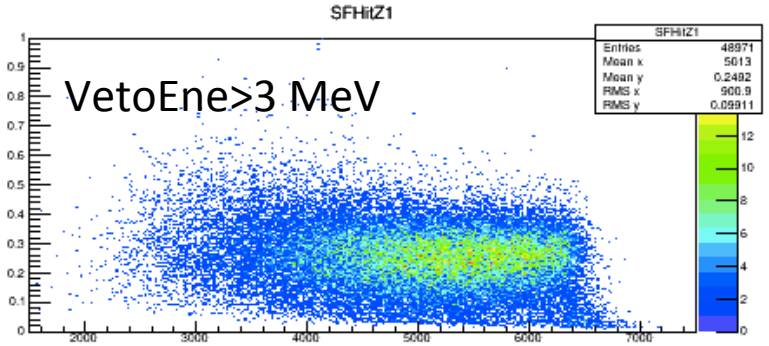
Energy study

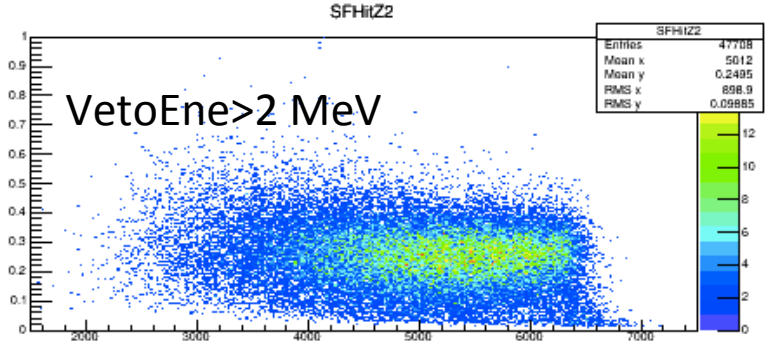
OEV veto efficiency

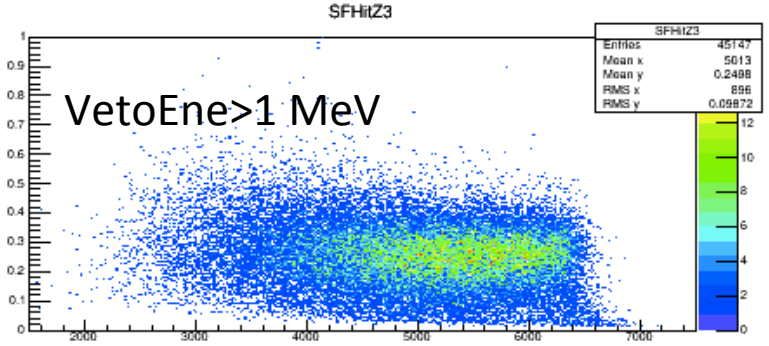
All veto applied /
All veto except OEV

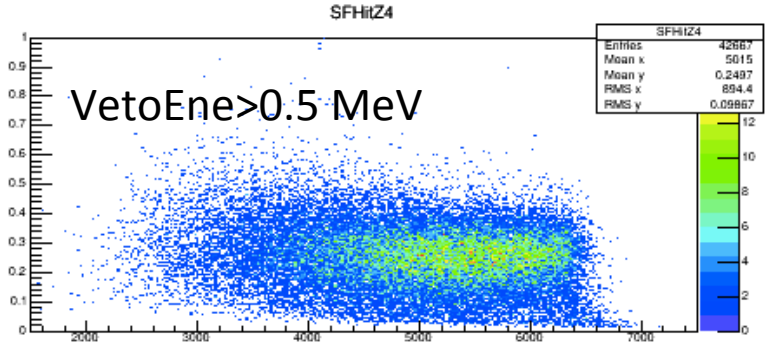
- In MC without Barrel resolution,

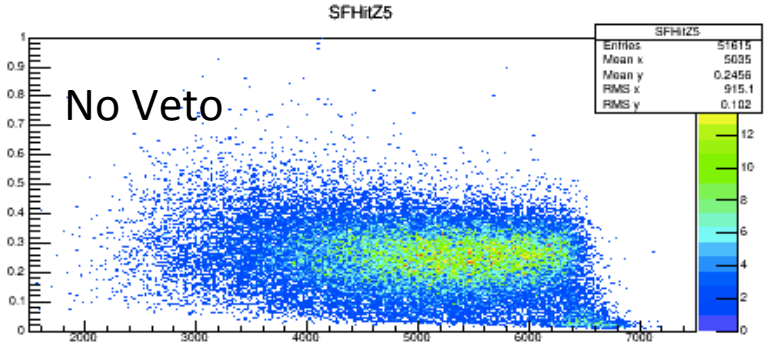








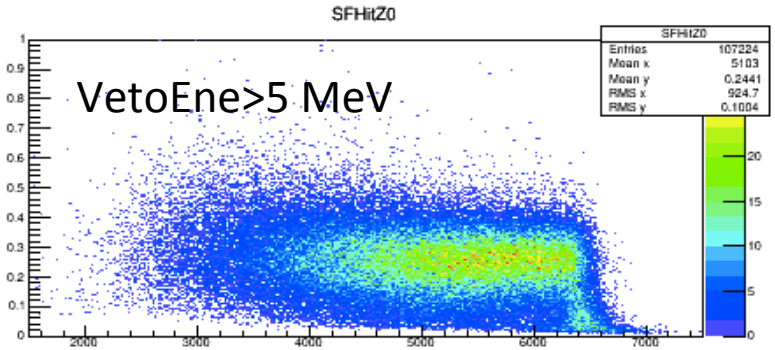


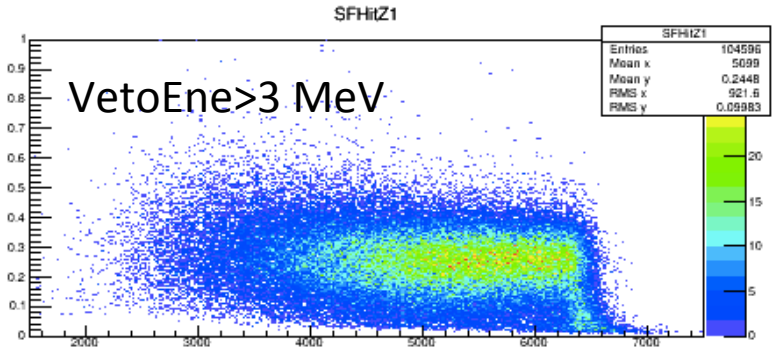


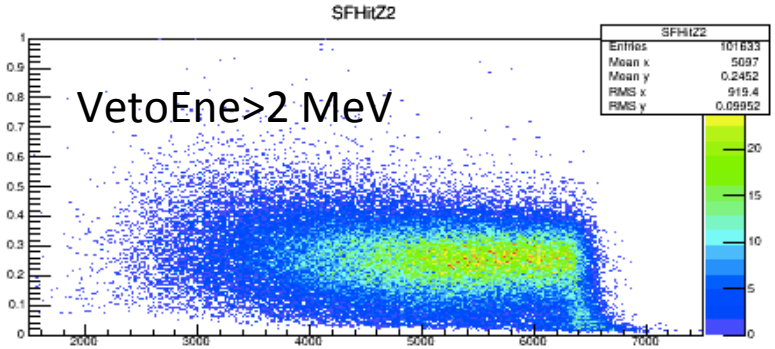
OEV veto efficiency

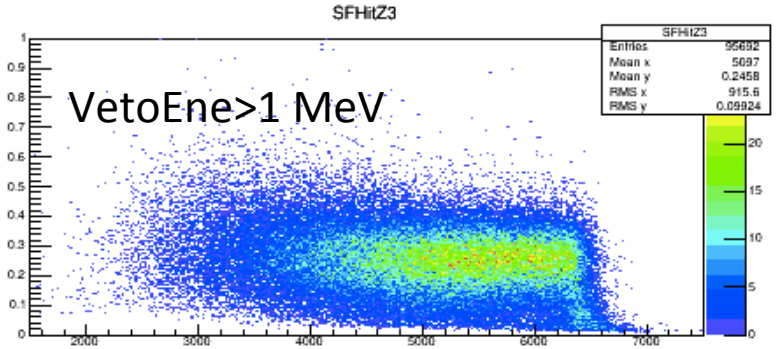
Single OEV veto

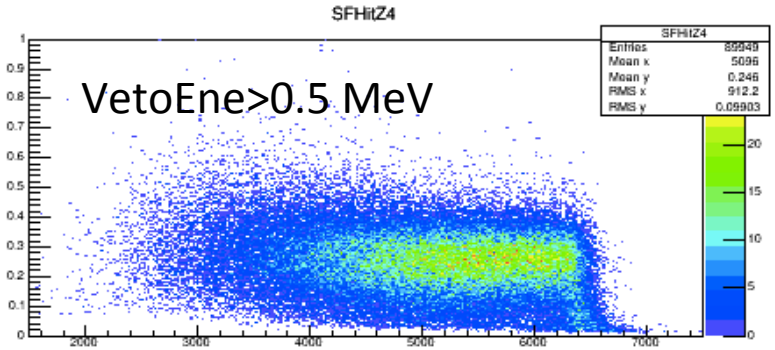
- In MC without Barrel resolution,

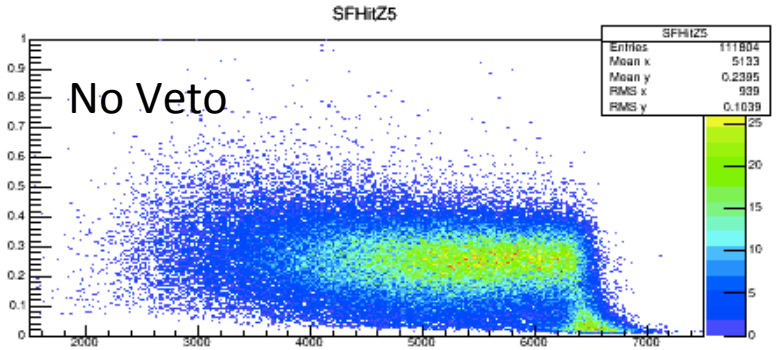






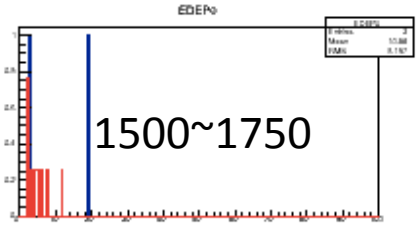


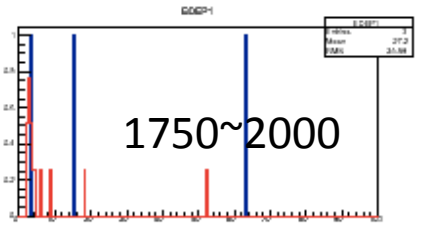


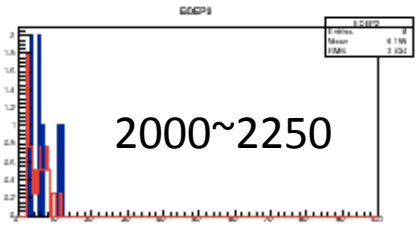


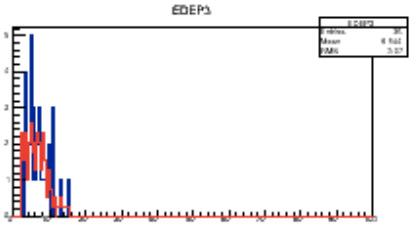
Energy Deposit

Blue : data
Red : MC

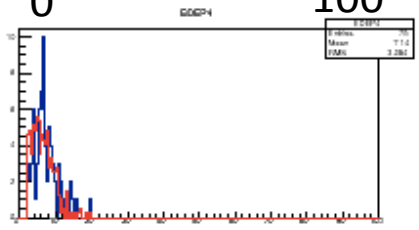


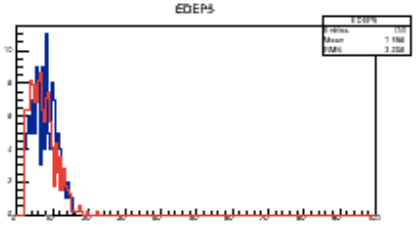


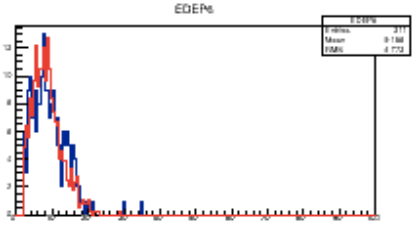


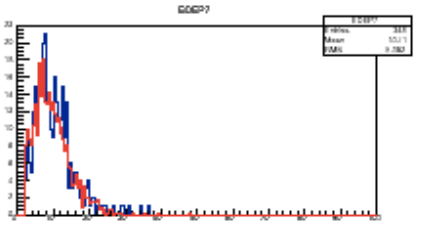


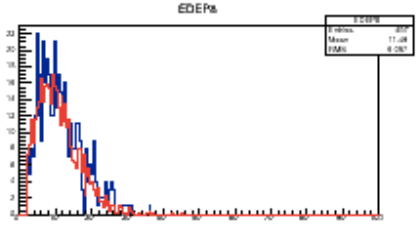
0 100

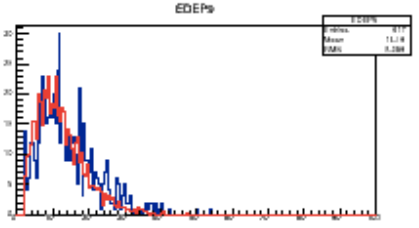


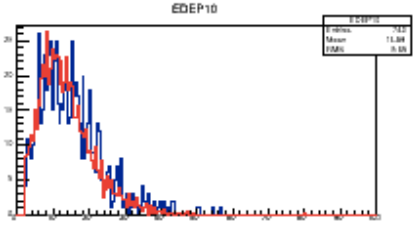


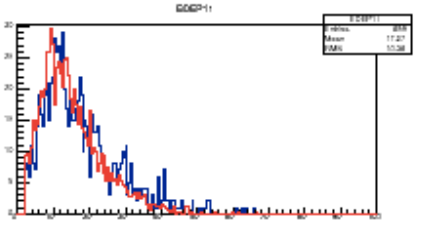


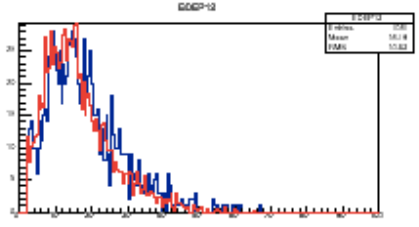


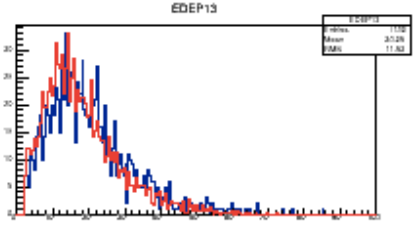


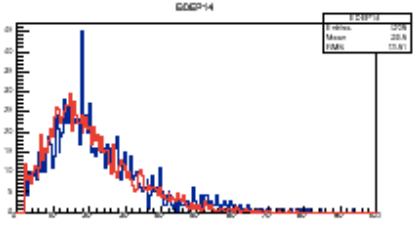


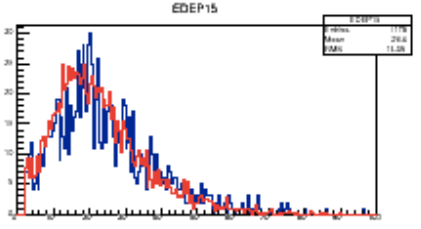


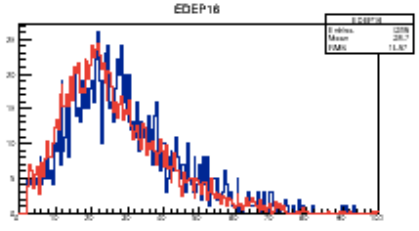


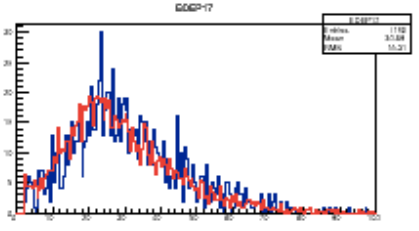


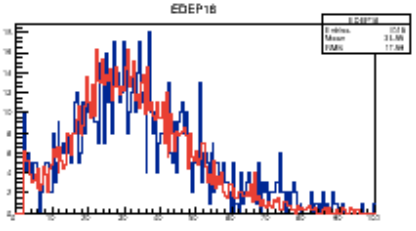


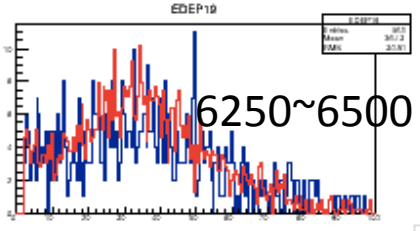




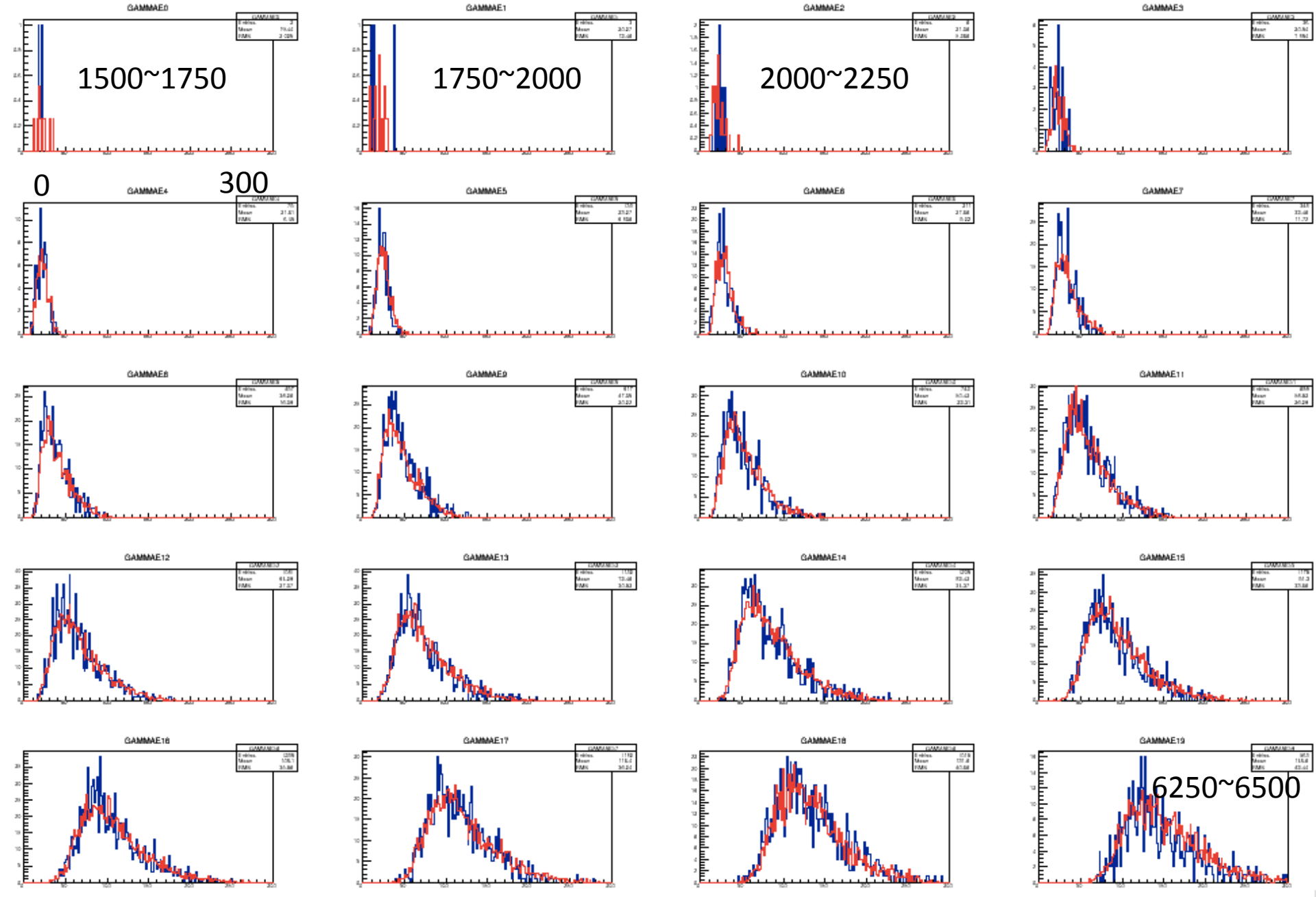




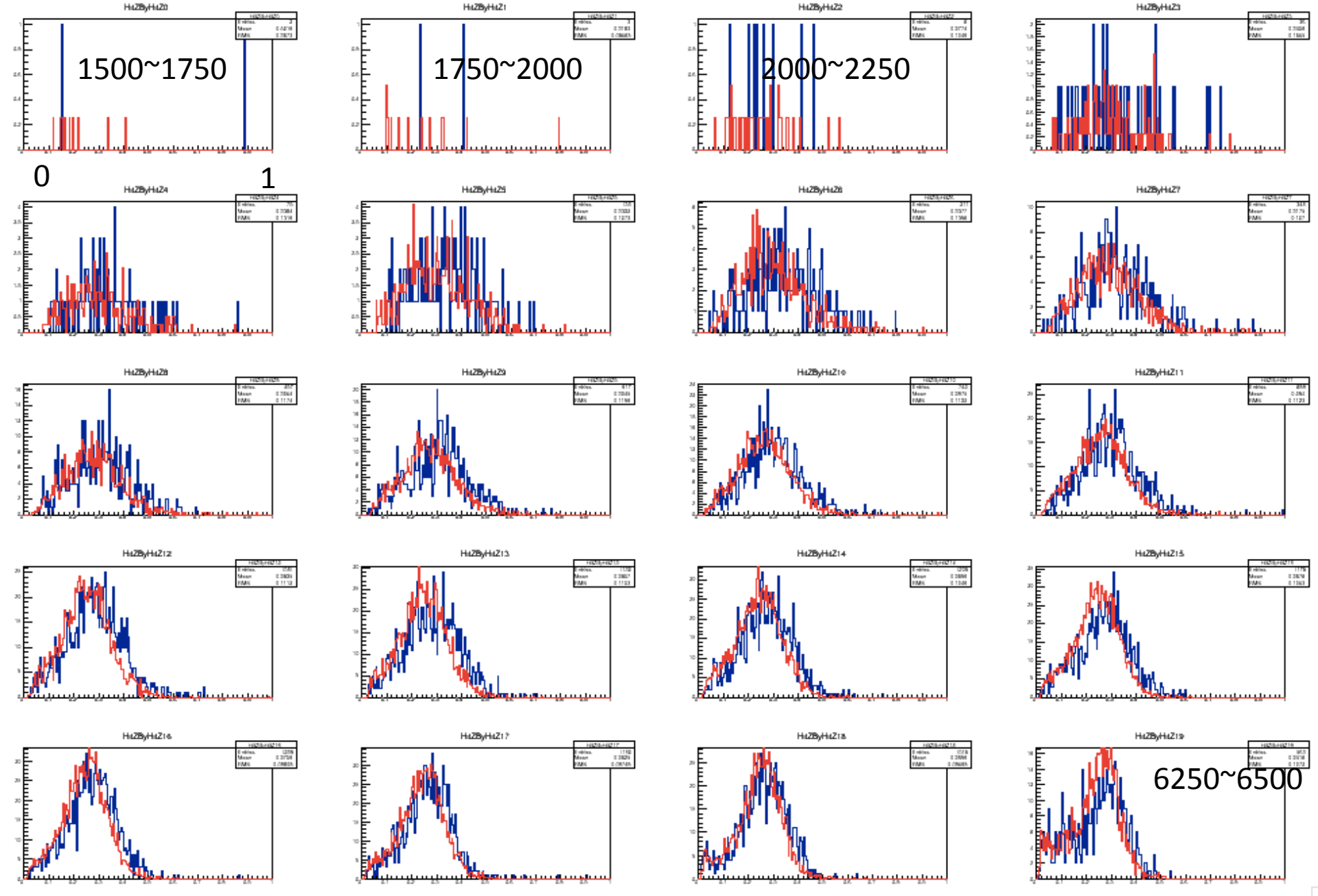




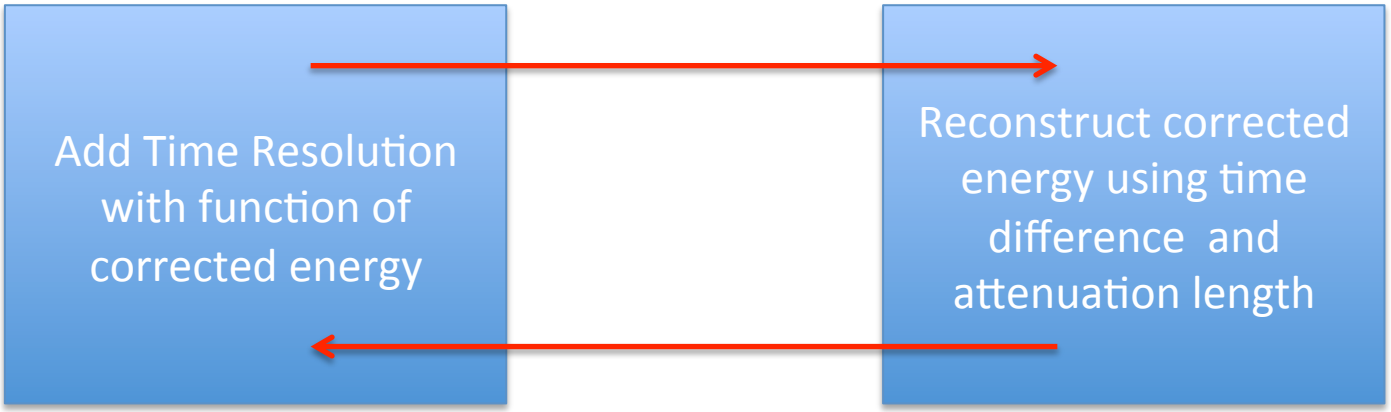
Gamma Energy



SF

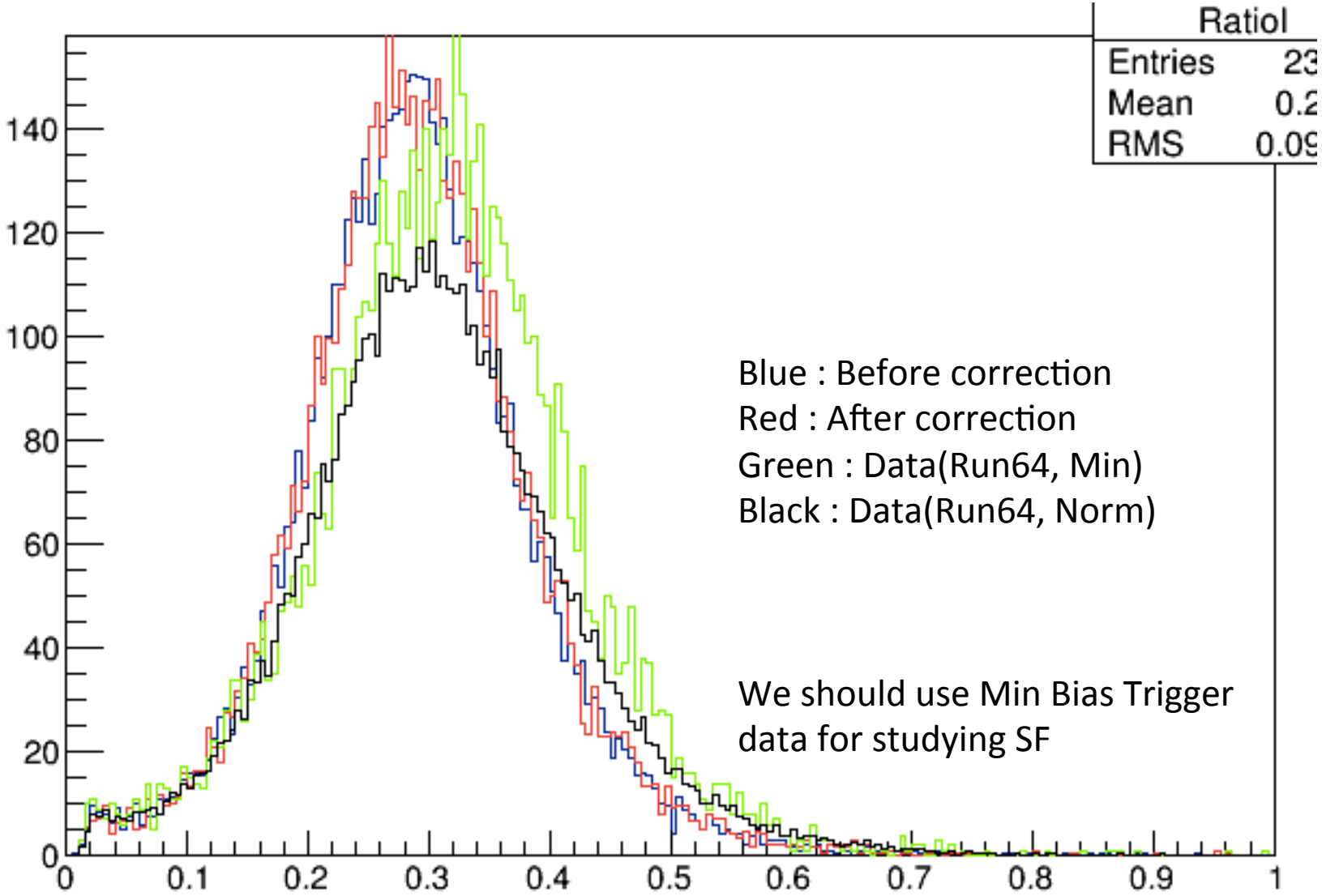


About resolution



- In latest version, I added time resolution after energy reconstruction
- In this time,
  - 1) Get corrected energy
  - 2) add resolution to time with corrected energy
  - 3) re-reconstruct corrected energy using time of 2nd stage

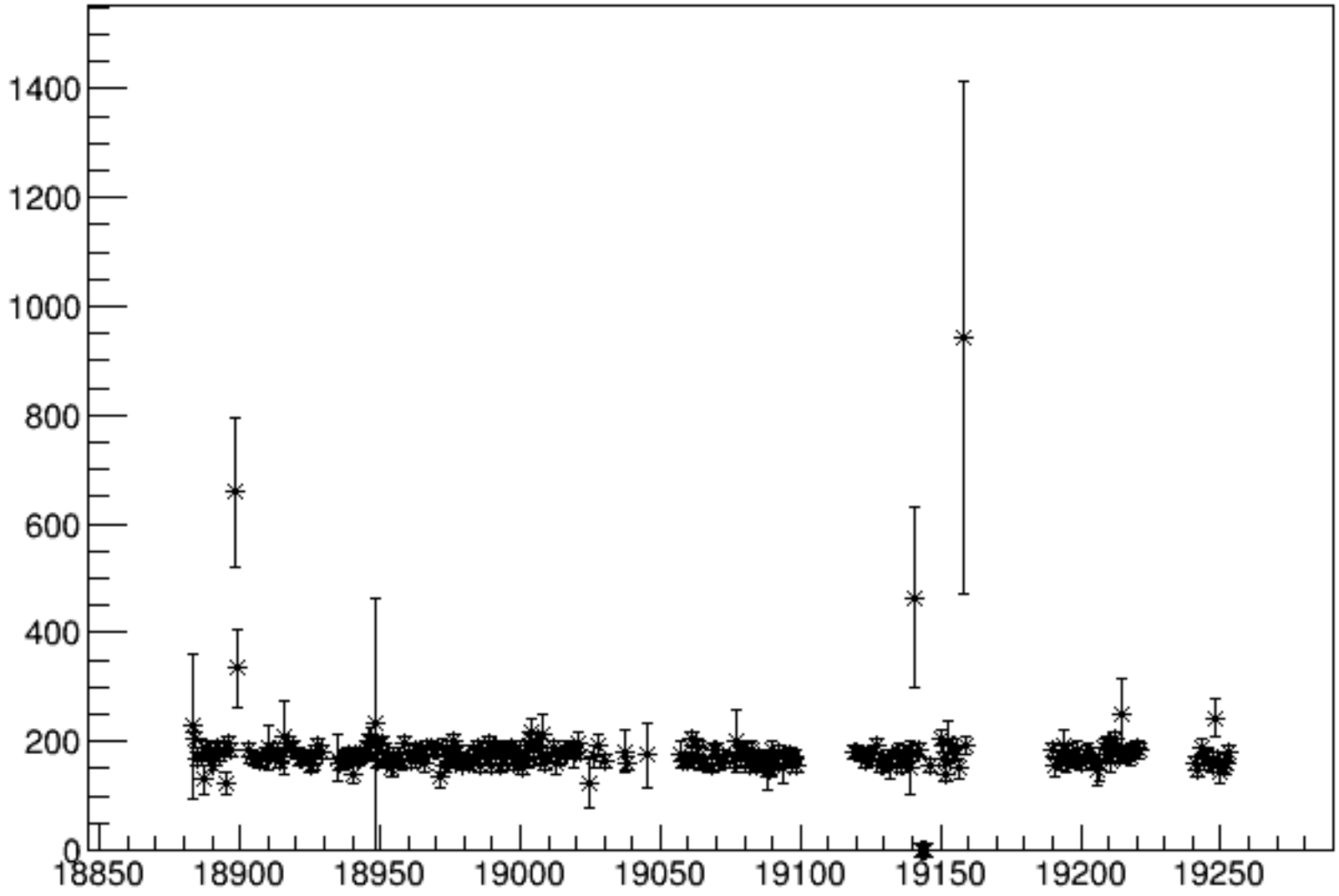
SF comparison



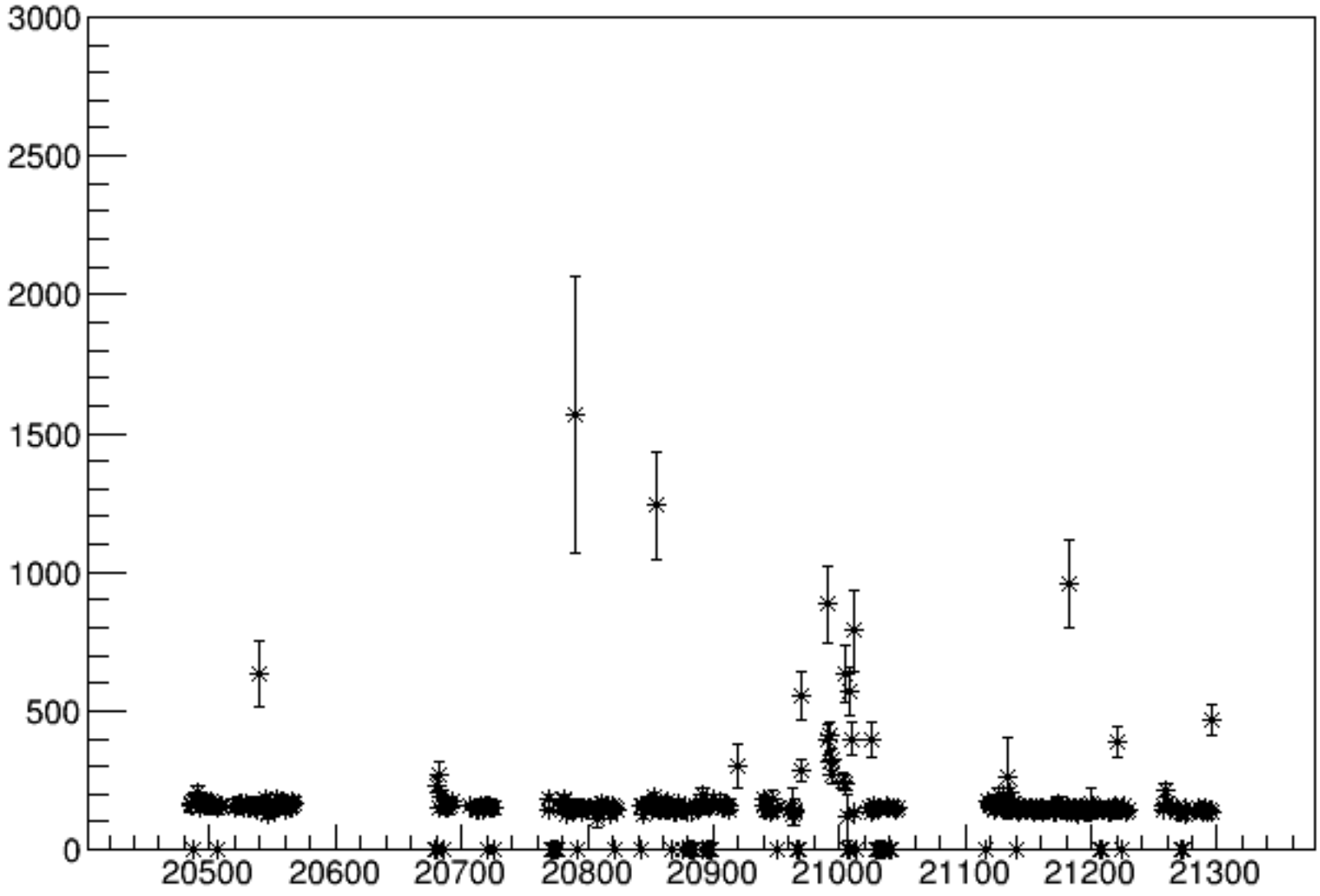
In GsimE14CBAR.cc

- No definition of material of reflectors (TiO_2)
  - Makes difference?
  - Radiation length : 4.812cm
    - $0.12X_0$

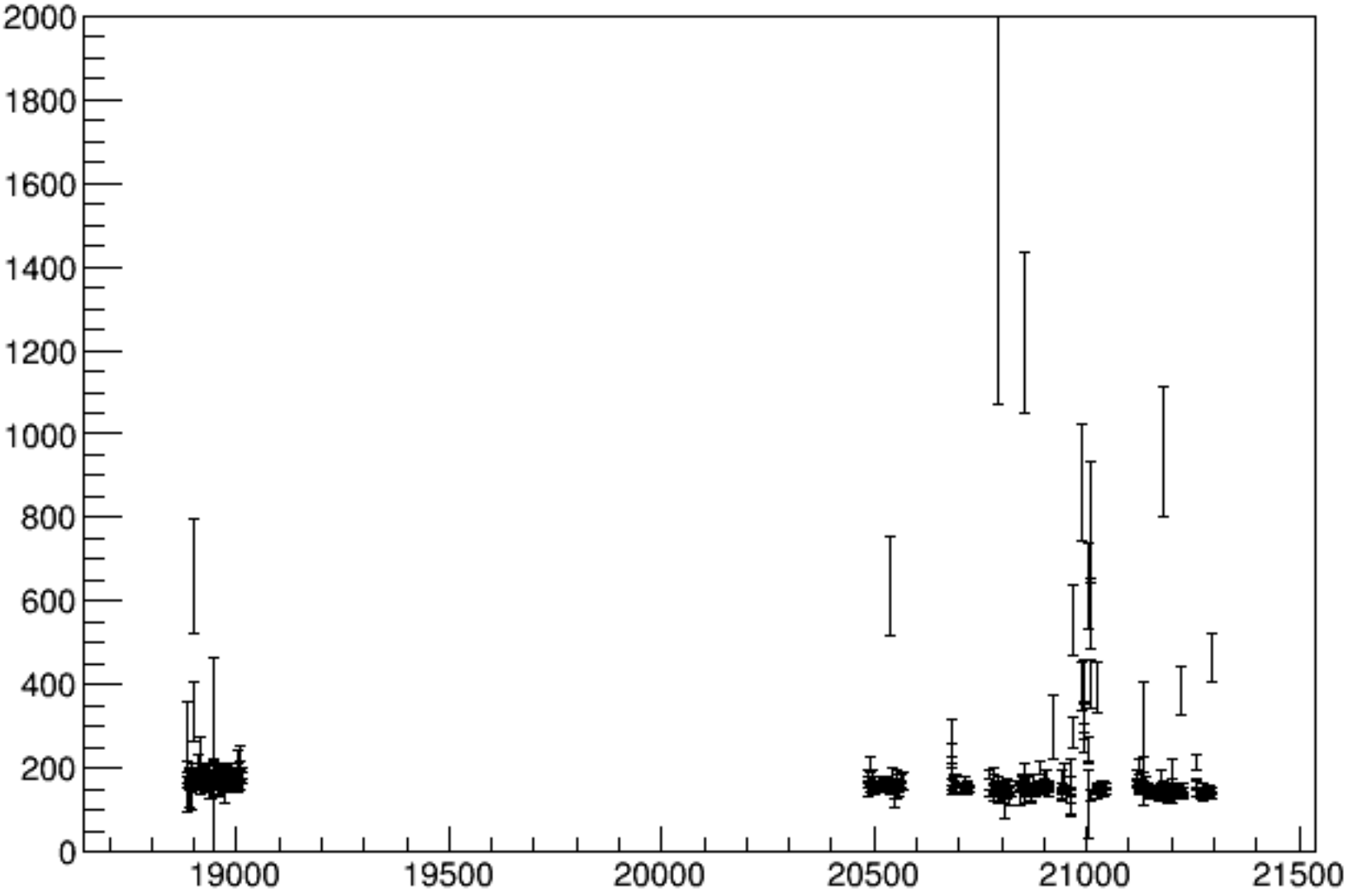
Run62


1400
1200
1000
800
600
400
200
0
18850
18900
18950
19000
19050
19100
19150
19200
19250

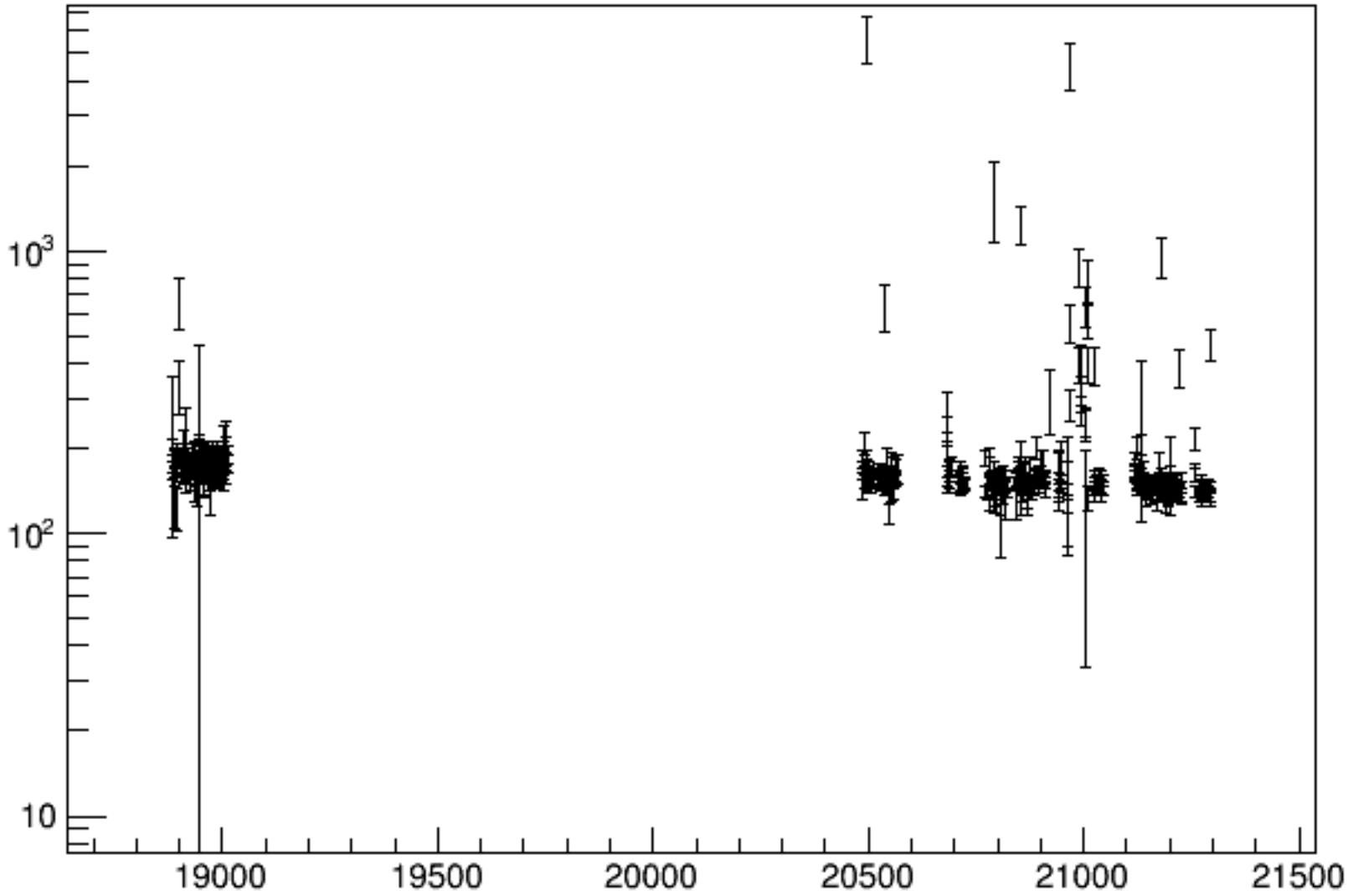
Run64


3000
2500
2000
1500
1000
500
0
20500
20600
20700
20800
20900
21000
21100
21200
21300

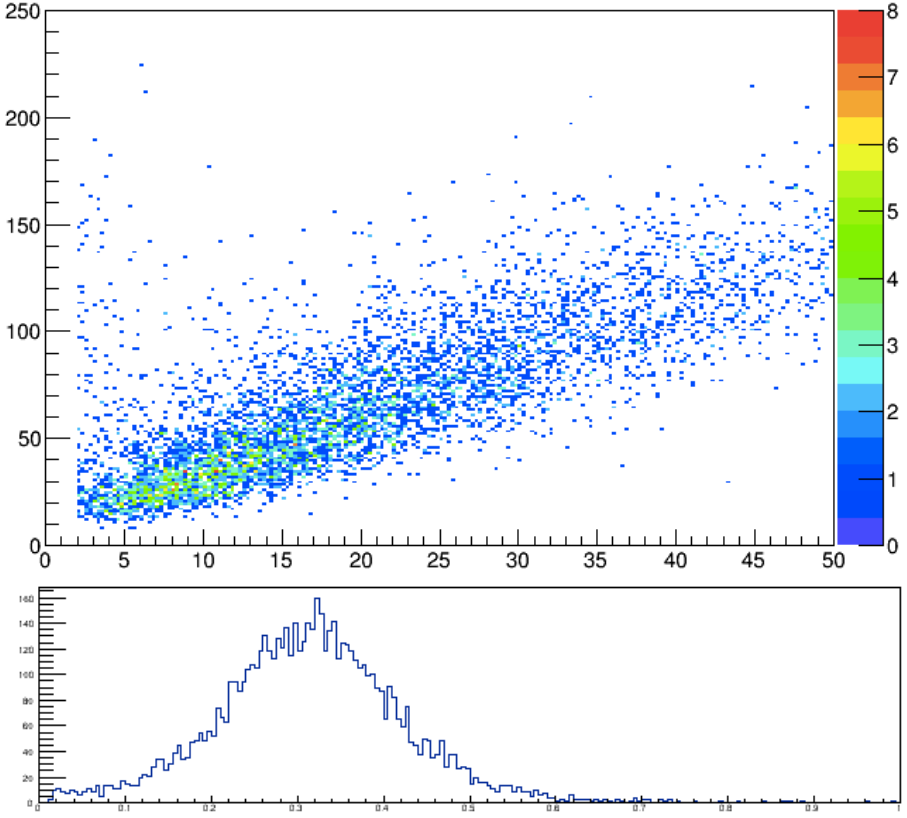
All Runs


2000
1800
1600
1400
1200
1000
800
600
400
200
0
19000
19500
20000
20500
21000
21500

Log scale

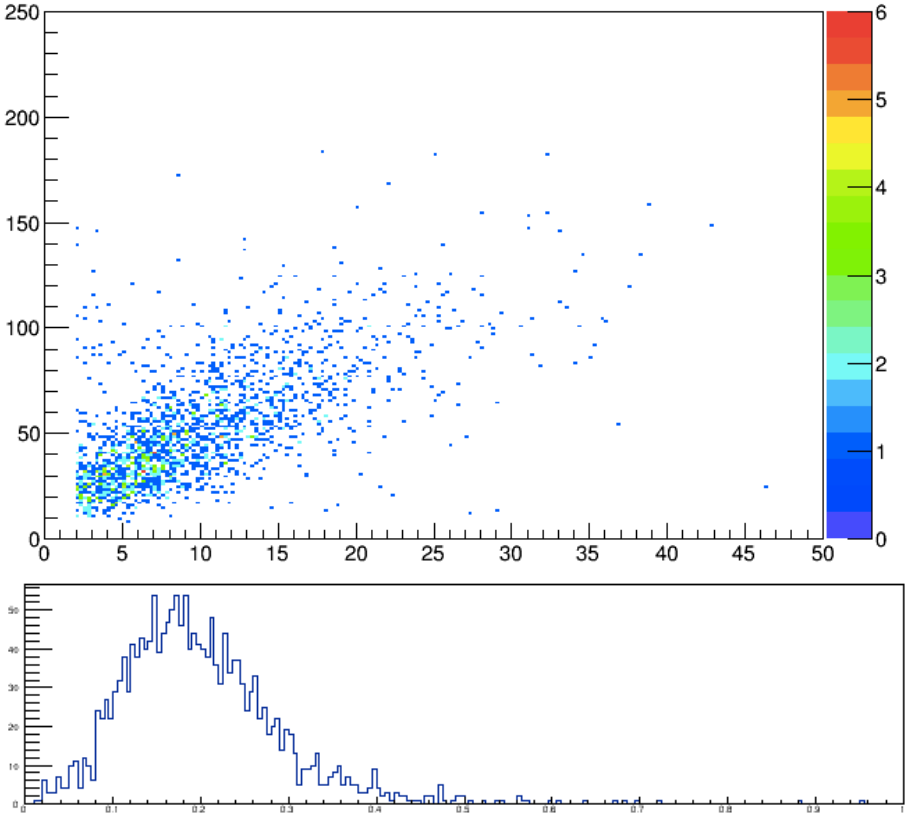


IMB



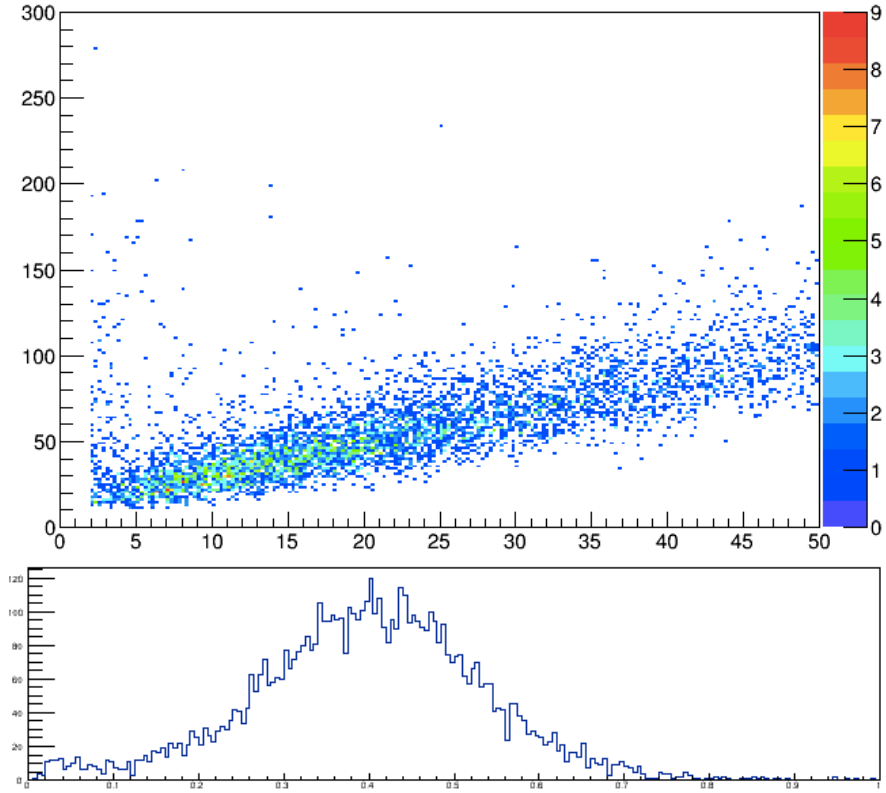
0.3

OMB



0.18

IB



0.4