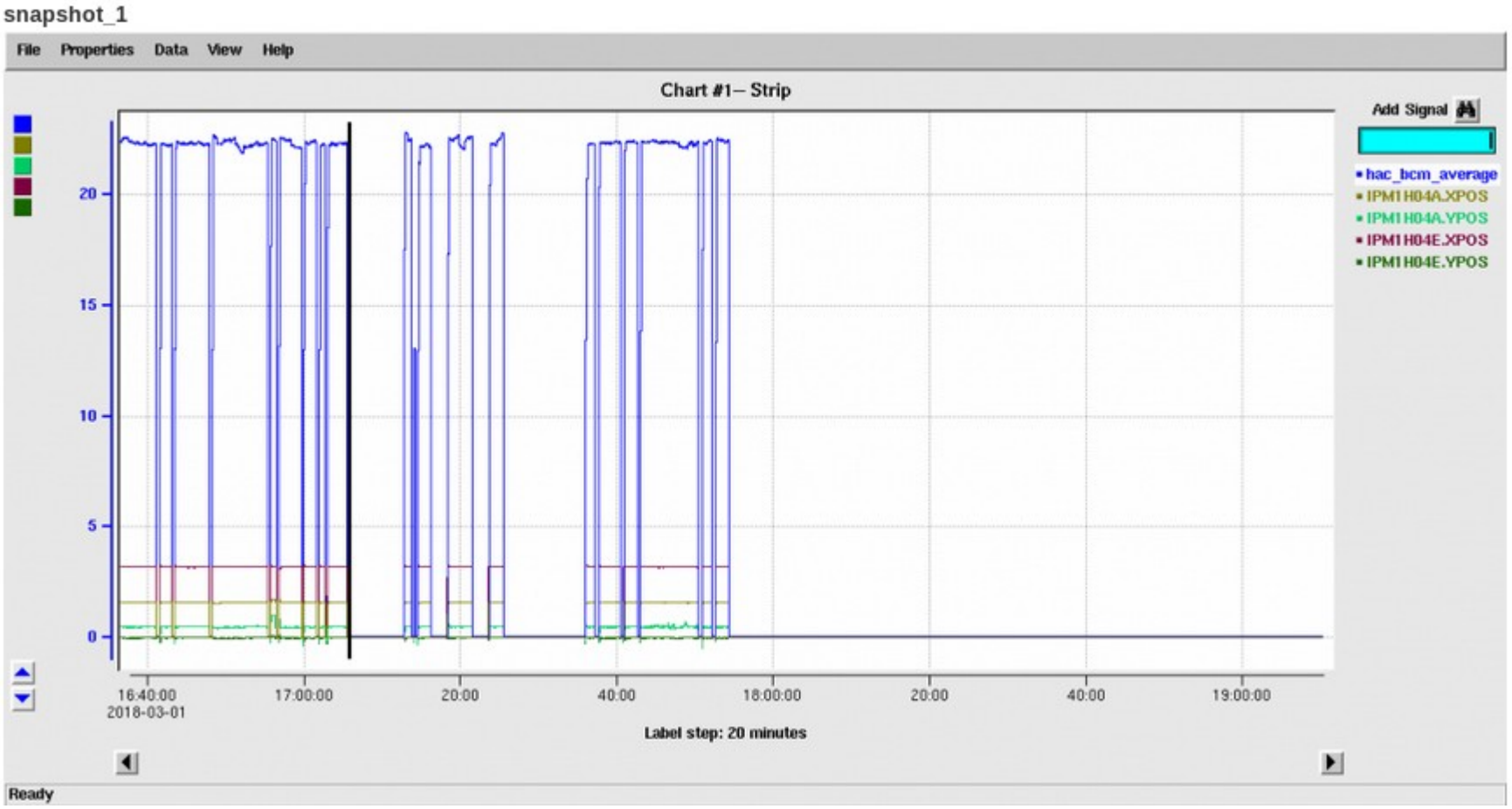
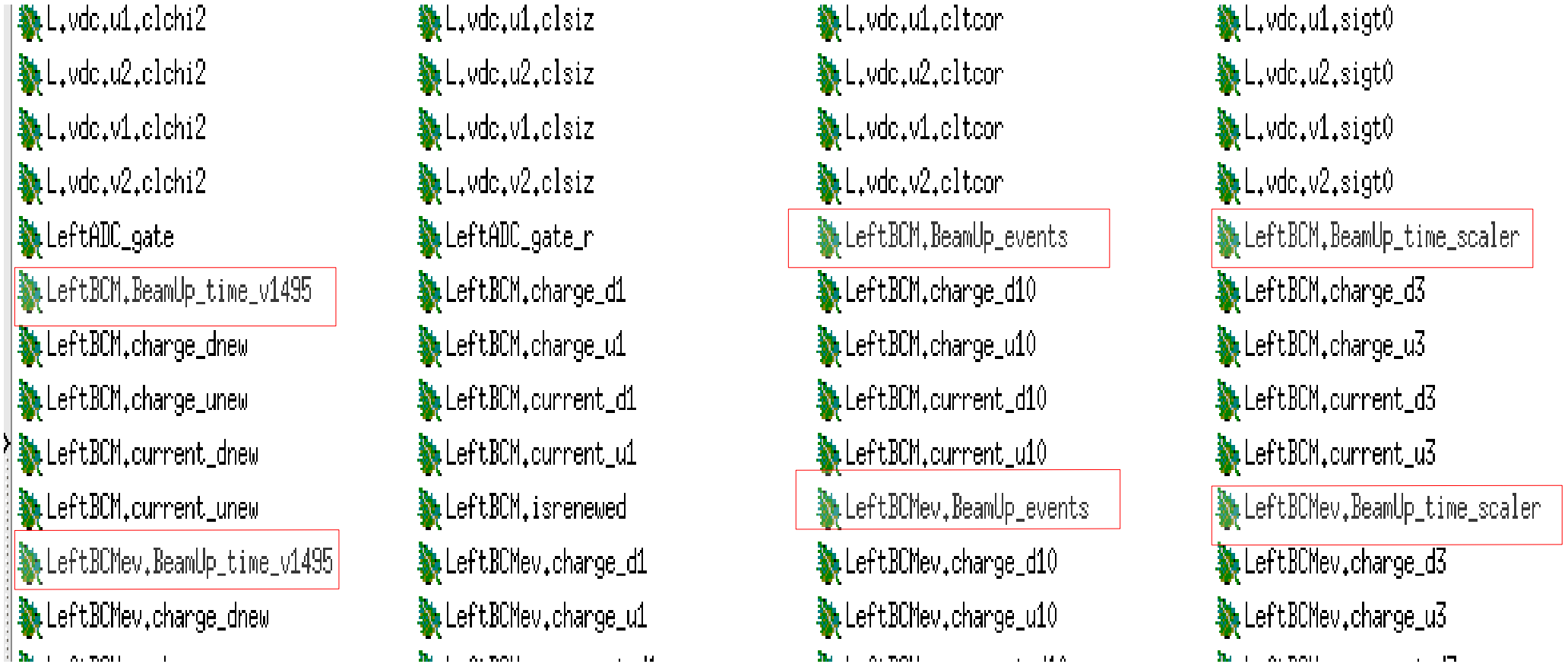
TriBCM class



New Variables



New Variables

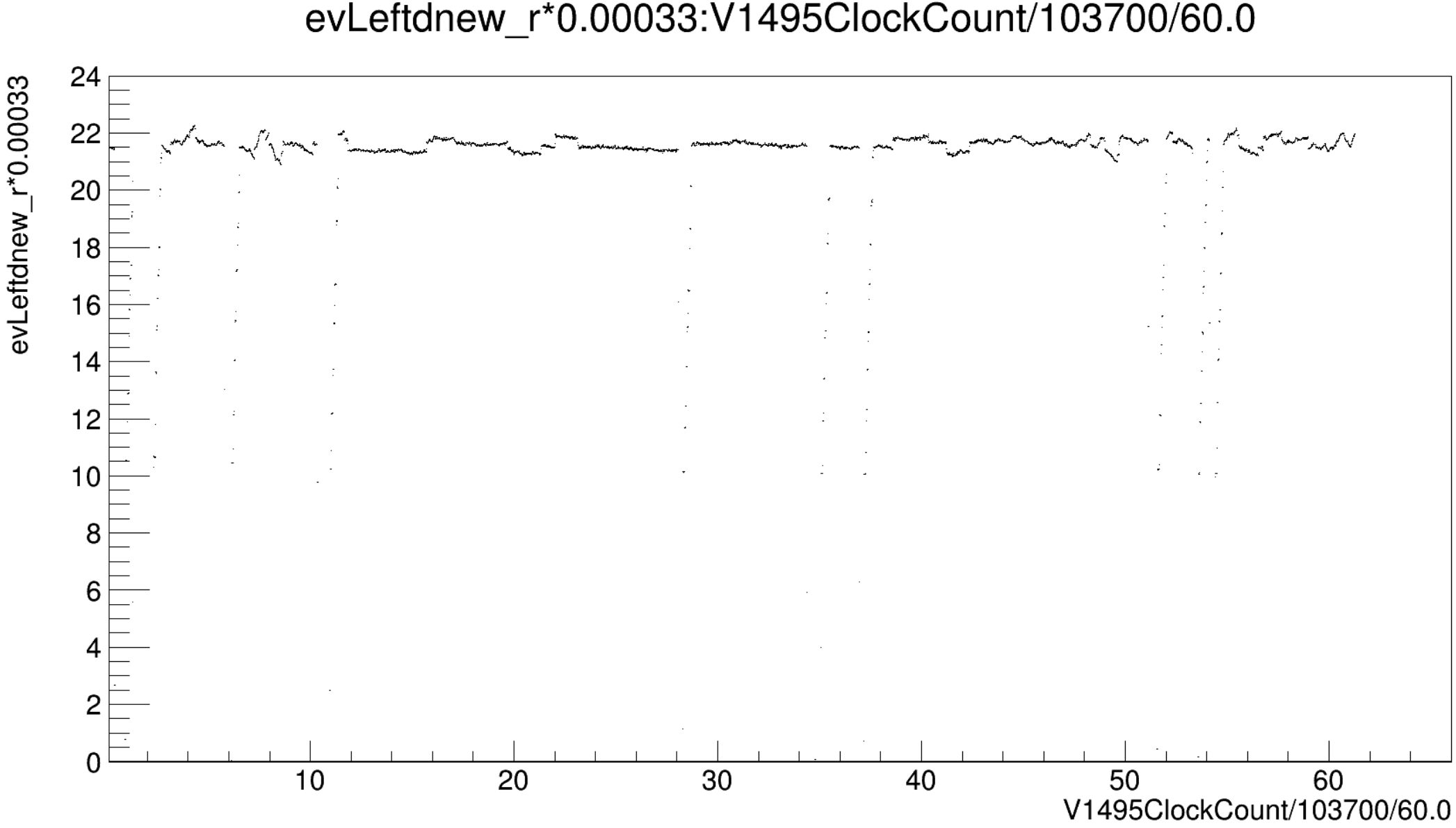
- BeamUp.events[5]
  - Five element array of the number of events the beam has been up
- BeamUp.time.
  - v1495[5]
    - Five element array of the length of time the beam has been up calculated using the v1495 clock
  - Scaler[5]
    - Five element array of the length of time the beam has been up calculated using the scalar clock.

Calculation

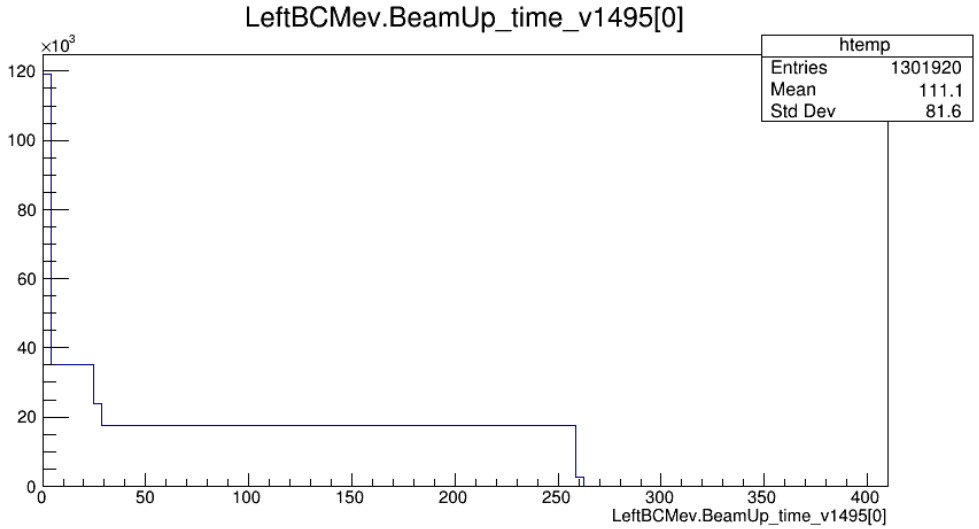
- if(current>=c_cuts[i]){
  - BeamUp[i]+=V1495_diff; BeamOn[i]++;
  - if(isrenewed){BeamUp_S[i]+=t_sec;}

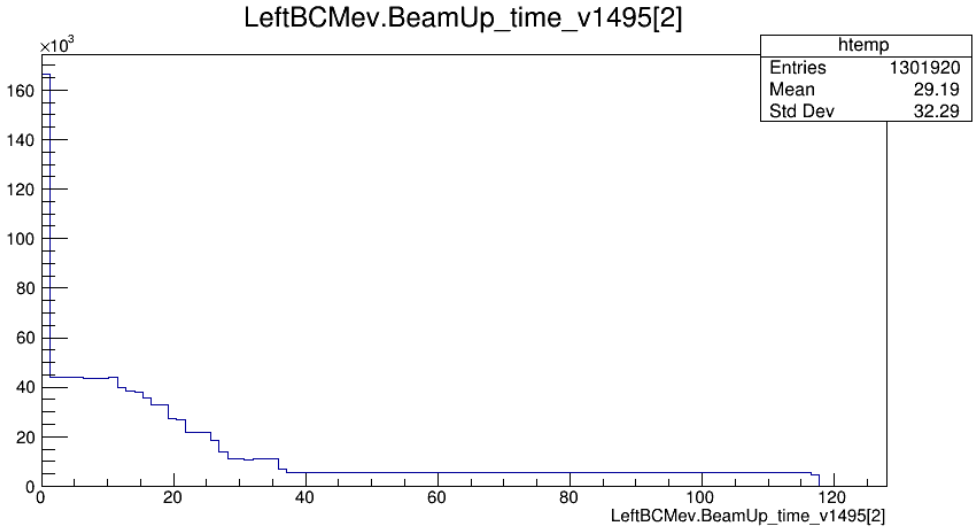
- If the current seen by dnew is above some cut level increment that events beam quality info
- If the current is lower, set that events beam quality info to zero!

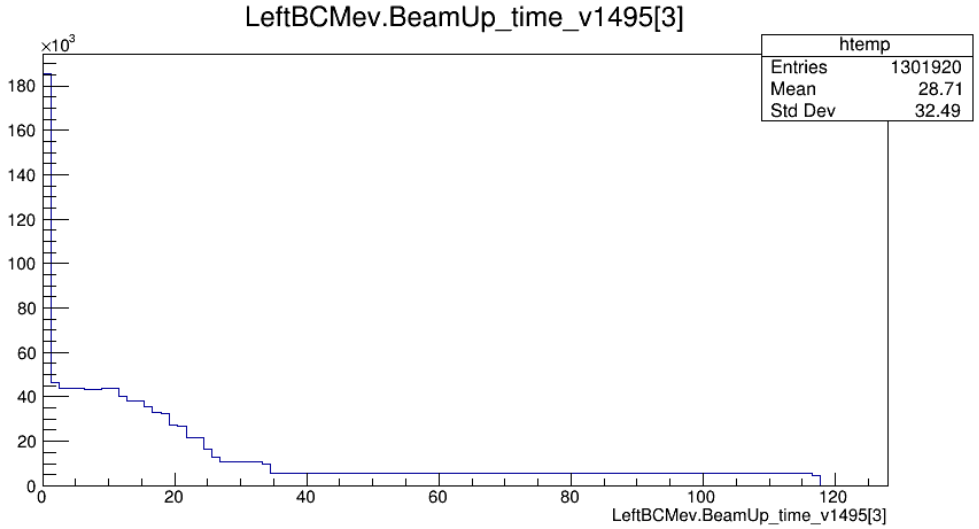
Run 1924

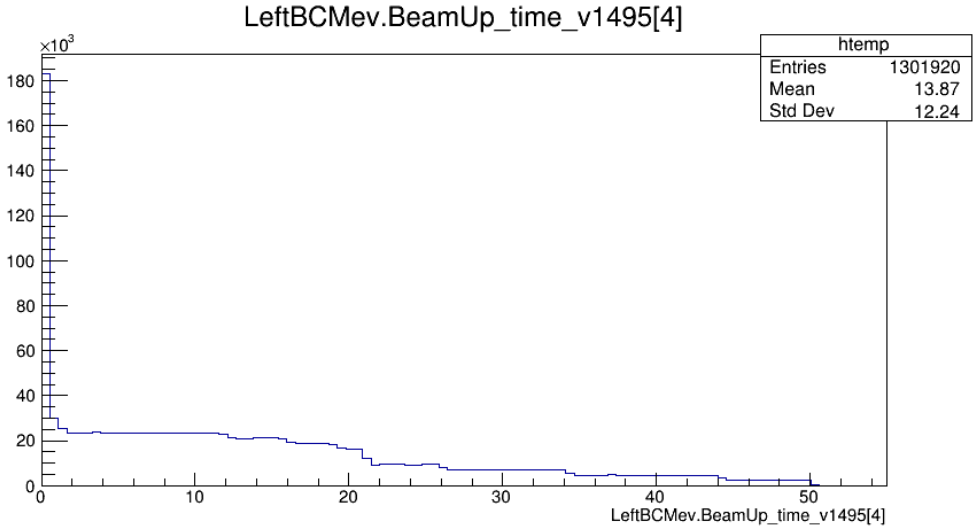

evLeftdnew_r*0.00033:V1495ClockCount/103700/60.0
evLeftdnew_r*0.00033
V1495ClockCount/103700/60.0
0
2
4
6
8
10
12
14
16
18
20
22
24
10
20
30
40
50
60

BeamUp_v1495

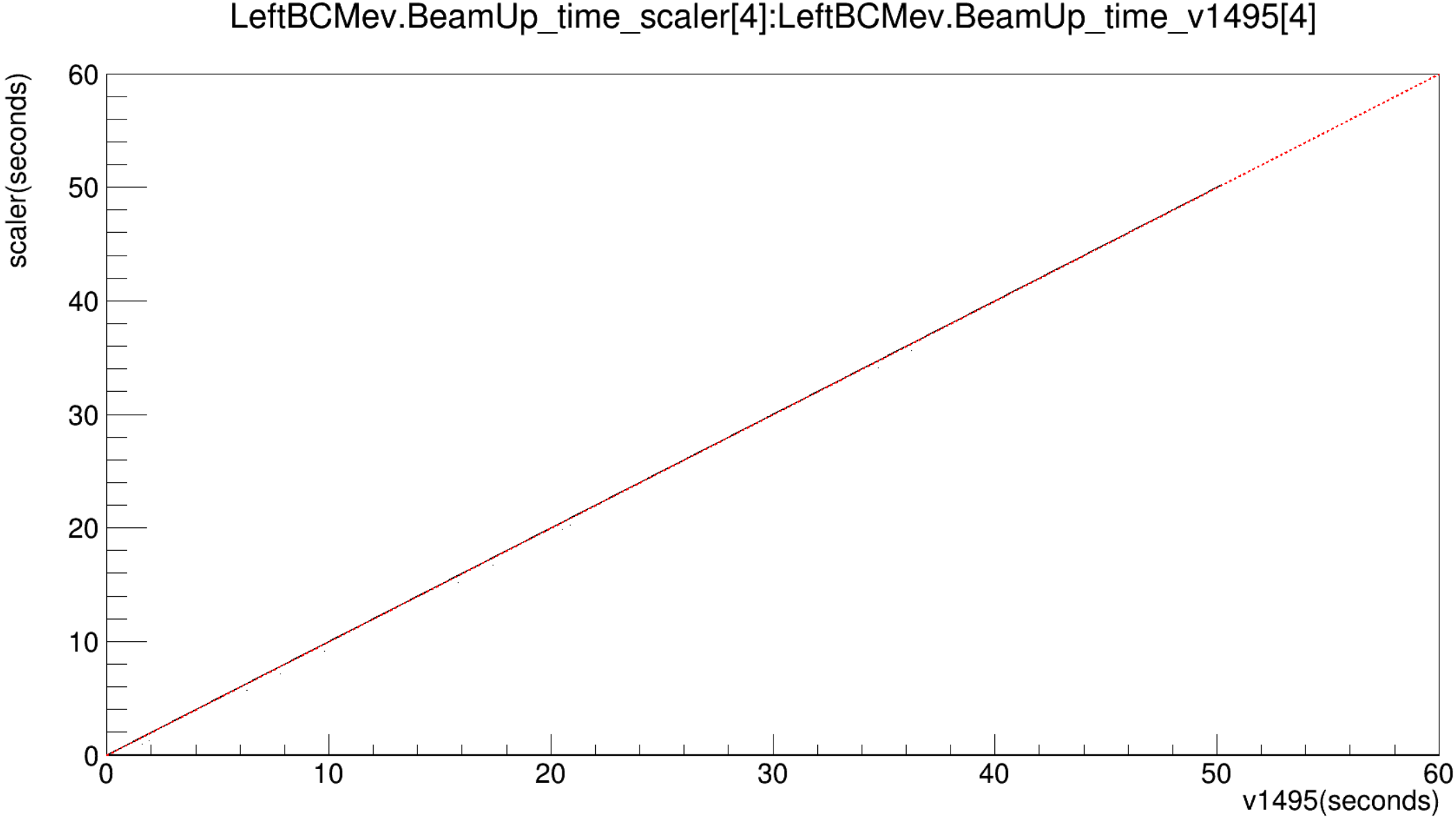




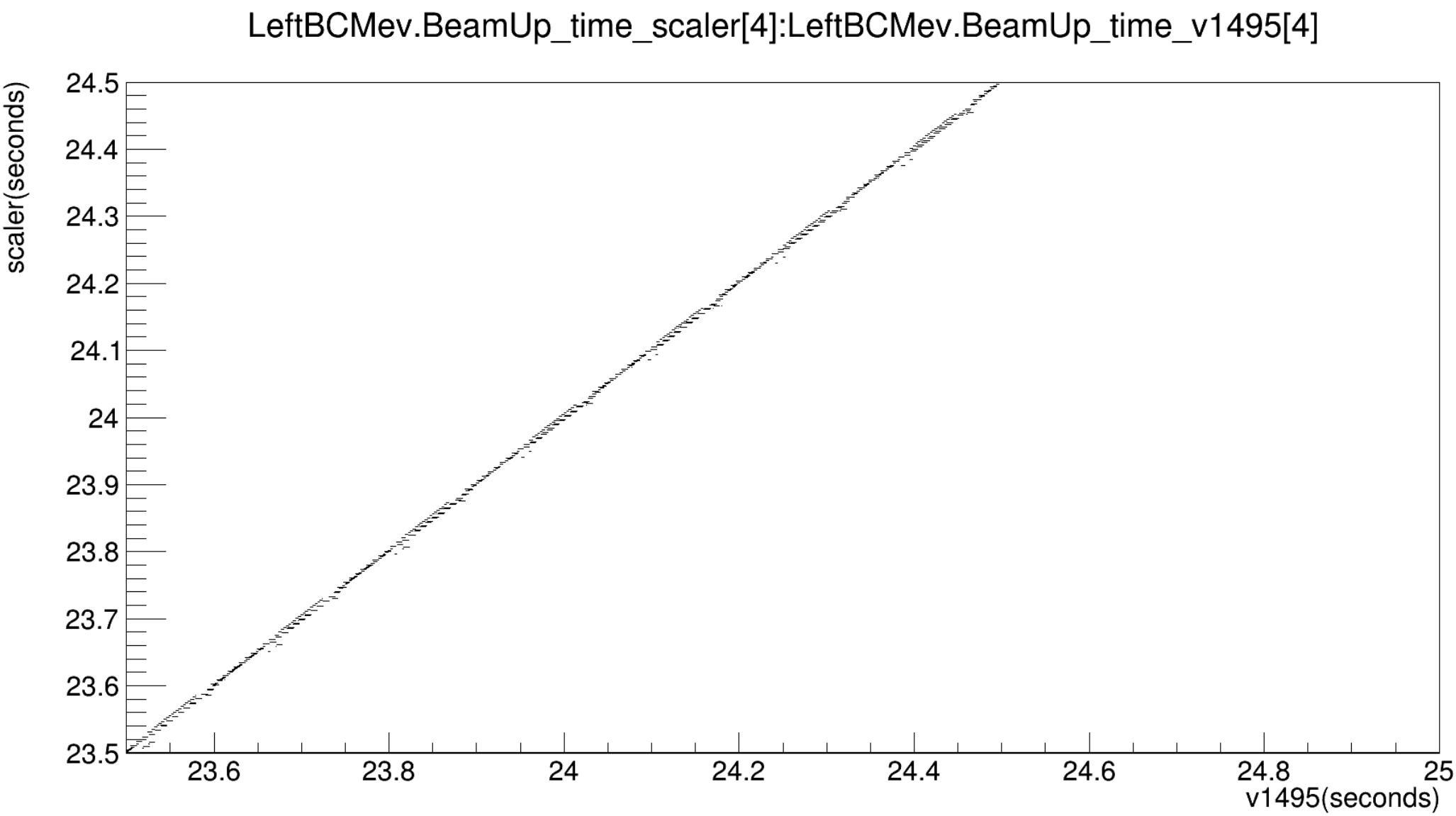




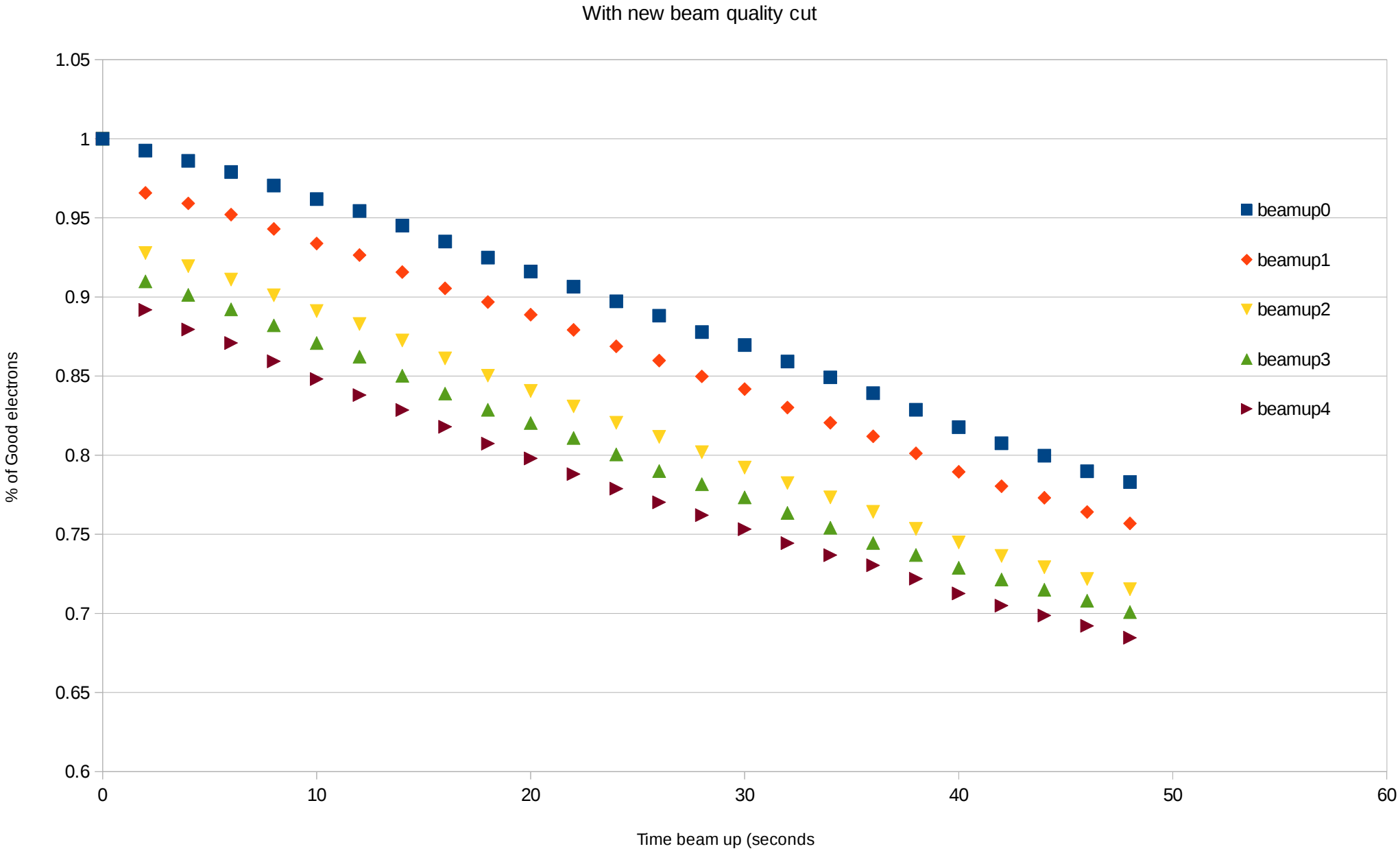
Comparison between v1495 and scalars



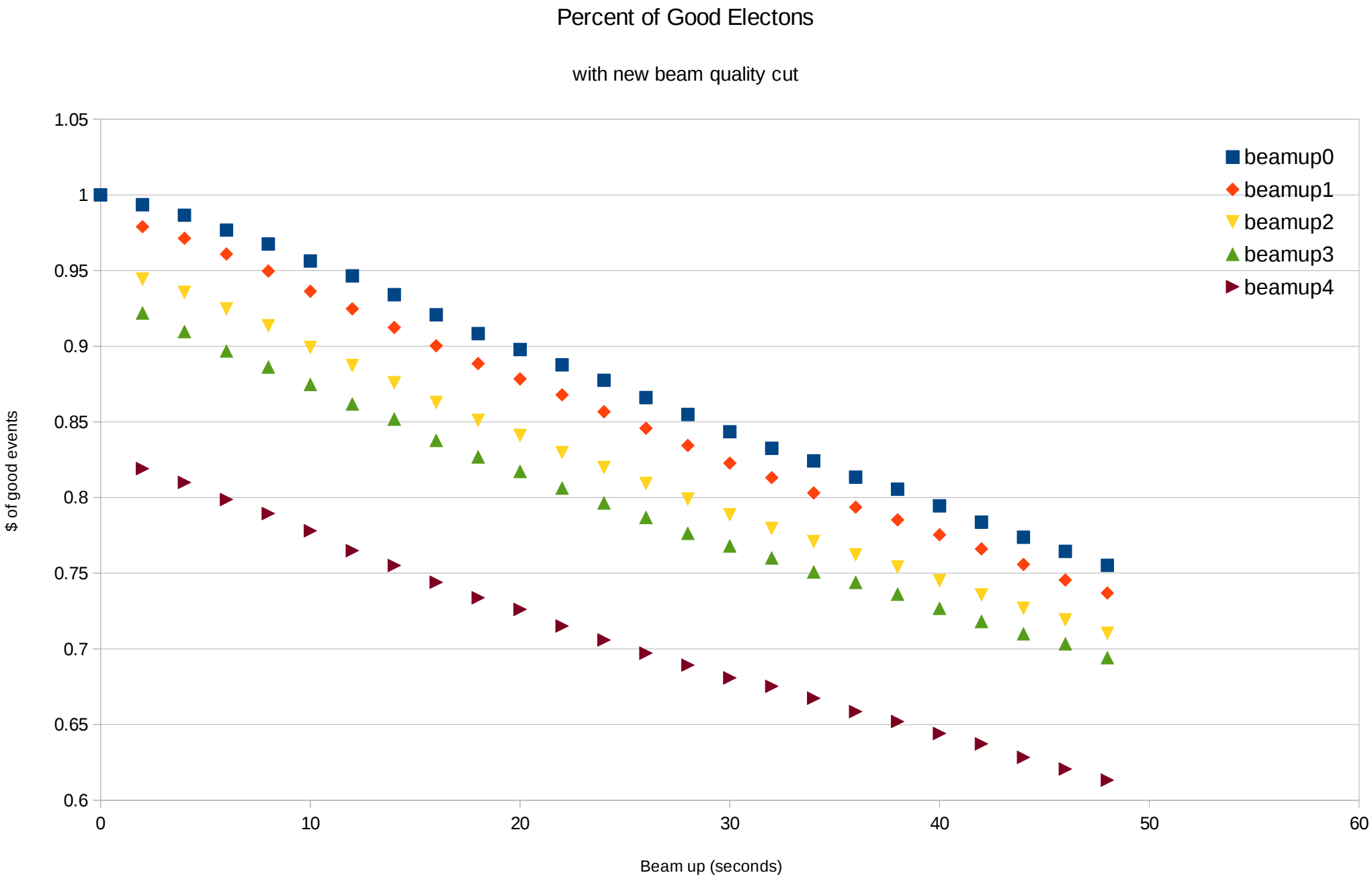
Resolution difference



H3-> 8468


Percent of Good E's
With new beam quality cut
% of Good electrons
Time beam up (seconds
1.05
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0
10
20
30
40
50
60
beamup0
beamup1
beamup2
beamup3
beamup4

He3-> 8857


Percent of Good Electons
with new beam quality cut
$ of good events
Beam up (seconds)
beamup0
beamup1
beamup2
beamup3
beamup4
1.05
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0
10
20
30
40
50
60