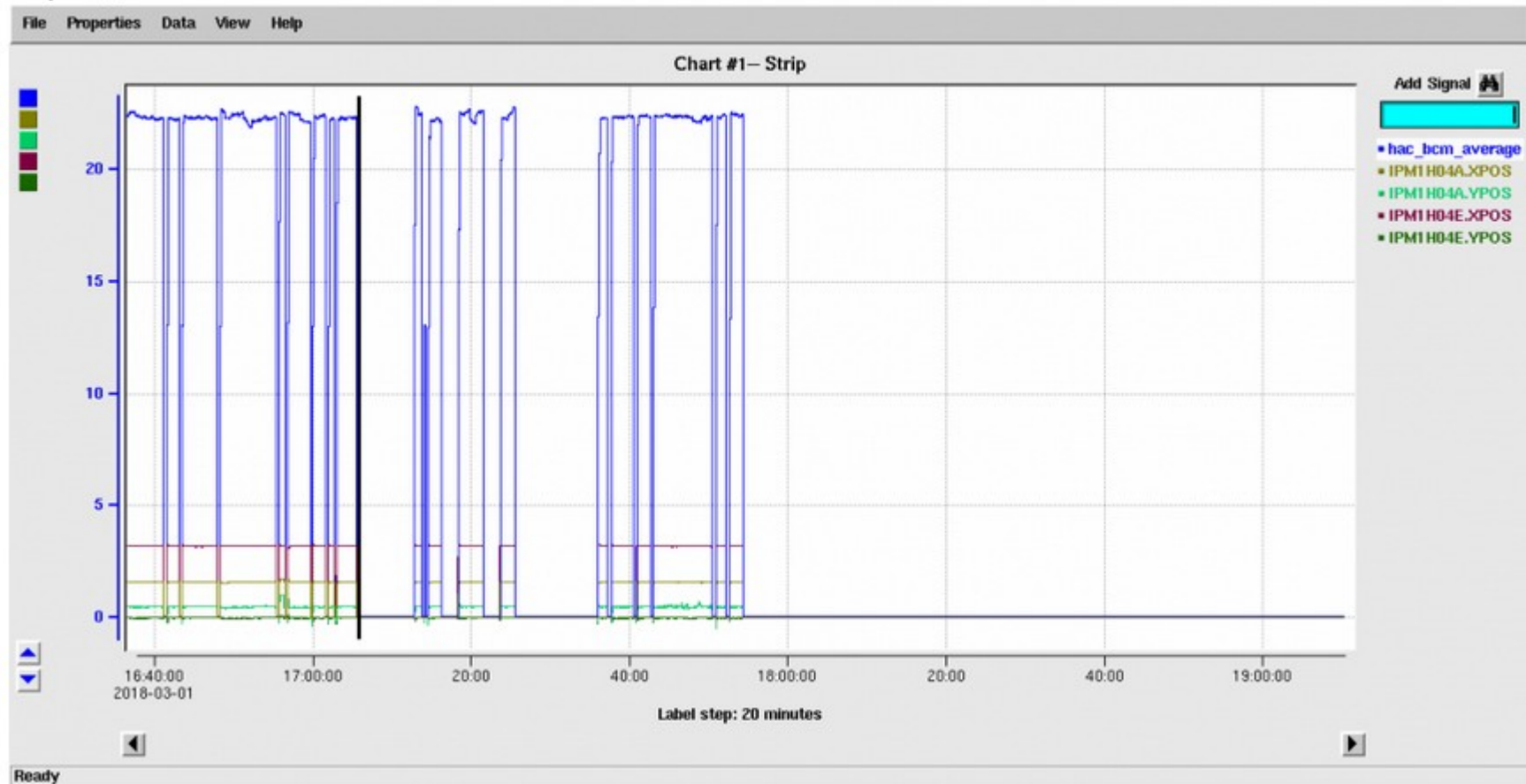


TriBCM class

snapshot_1



New Variables

L.vdc.u1.clchi2

L.vdc.u2.clchi2

L.vdc.v1.clchi2

L.vdc.v2.clchi2

LeftADC_gate

LeftBCM.BeamUp_time_v1495

LeftBCM.charge_dnew

LeftBCM.charge_unew

LeftBCM.current_dnew

LeftBCM.current_unew

LeftBCMev.BeamUp_time_v1495

LeftBCMev.charge_dnew

L.vdc.u1.clsiz

L.vdc.u2.clsiz

L.vdc.v1.clsiz

L.vdc.v2.clsiz

LeftADC_gate_r

LeftBCM.charge_d1

LeftBCM.charge_u1

LeftBCM.current_d1

LeftBCM.current_u1

LeftBCM.isrenewed

LeftBCMev.charge_d1

LeftBCMev.charge_u1

L.vdc.u1.cltcor

L.vdc.u2.cltcor

L.vdc.v1.cltcor

L.vdc.v2.cltcor

LeftBCM.BeamUp_events

LeftBCM.charge_d10

LeftBCM.charge_u10

LeftBCM.current_d10

LeftBCM.current_u10

LeftBCMev.BeamUp_events

LeftBCMev.charge_d10

LeftBCMev.charge_u10

L.vdc.u1.sigt0

L.vdc.u2.sigt0

L.vdc.v1.sigt0

L.vdc.v2.sigt0

LeftBCM.BeamUp_time_scaler

LeftBCM.charge_d3

LeftBCM.charge_u3

LeftBCM.current_d3

LeftBCM.current_u3

LeftBCMev.BeamUp_time_scaler

LeftBCMev.charge_d3

LeftBCMev.charge_u3

New Variables

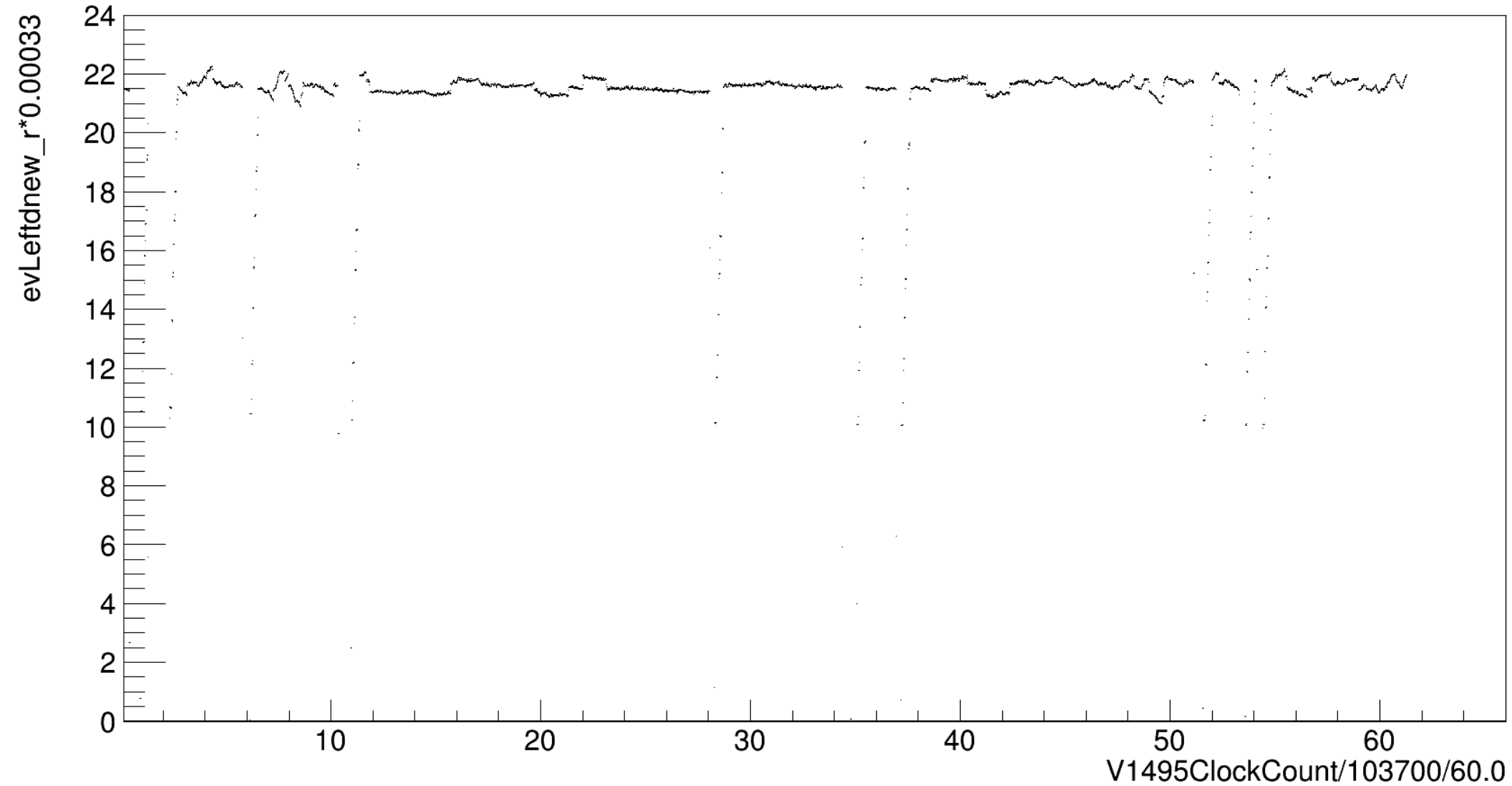
- BeamUp.events[5]
 - Five element array of the number of events the beam has been up
- BeamUp.time.
 - v1495[5]
 - Five element array of the length of time in seconds the beam has been up calculated using the v1495 clock
 - Scaler[5]
 - Five element array of the length of time in seconds the beam has 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:
 - +one or +(time step of the clock being used)
- If the current is lower, set that events beam quality info to zero!
- The value of the minimum acceptable current is stored in the DB.
 - Currently and array of 5 values for minimum current.
 - 0-> 3uA, 1-> 8.0uA, 2->13.0, 3-> 16.0uA, 4->19.0uA
 - These same cuts will be used in graphs later.

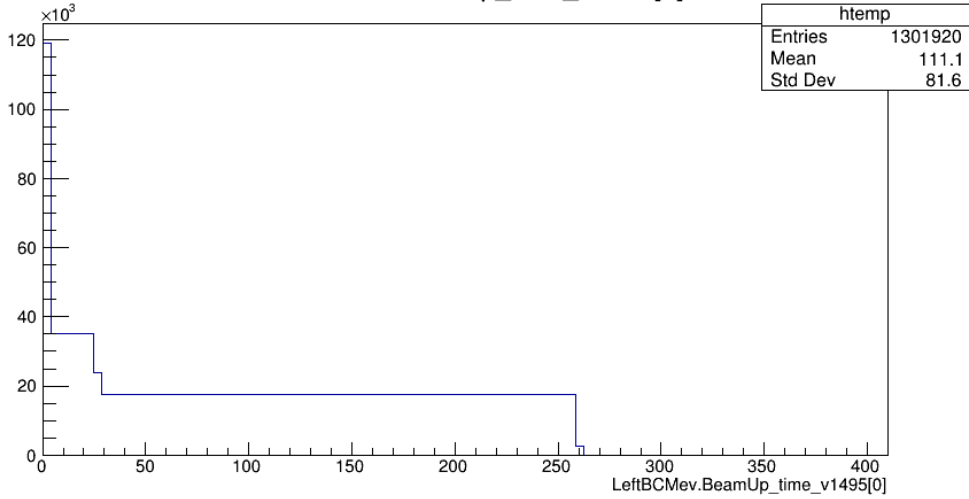
Run 1924

evLeftdnew_r*0.00033:V1495ClockCount/103700/60.0

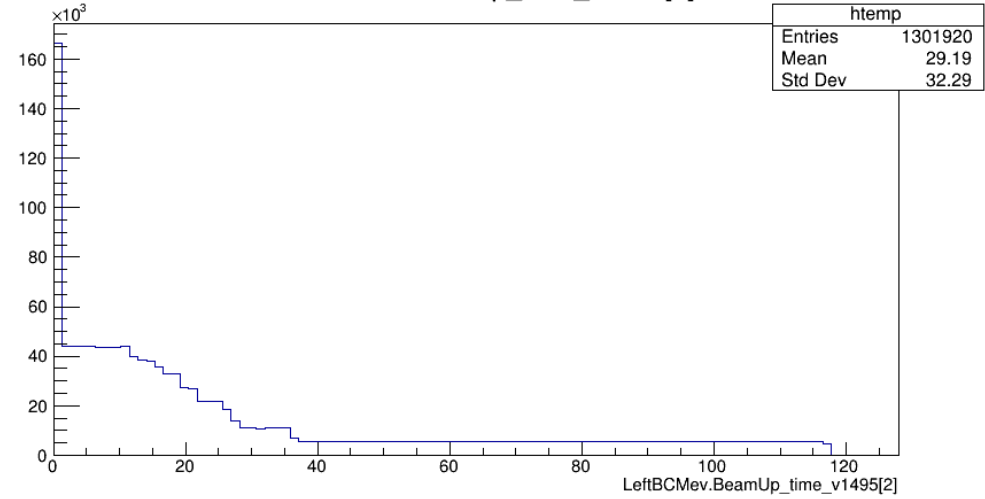


BeamUp_v1495

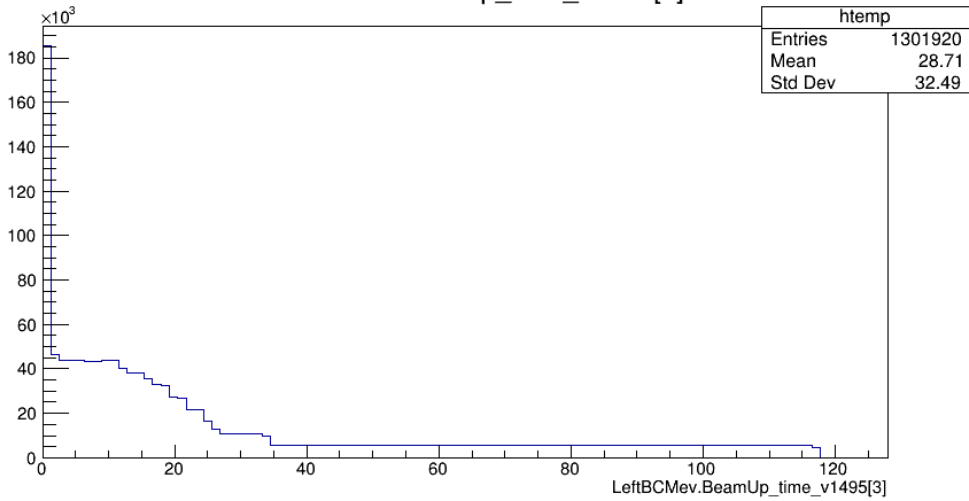
LeftBCMev.BeamUp_time_v1495[0]



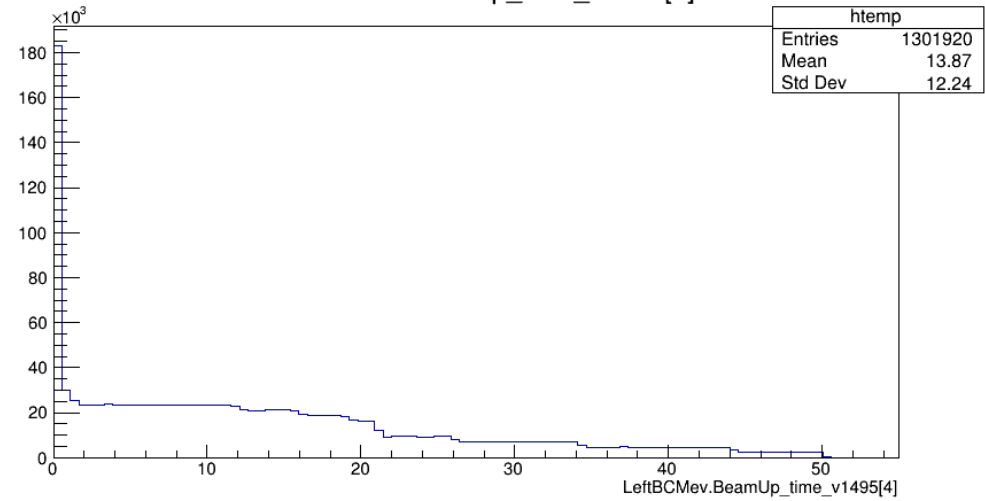
LeftBCMev.BeamUp_time_v1495[2]



LeftBCMev.BeamUp_time_v1495[3]

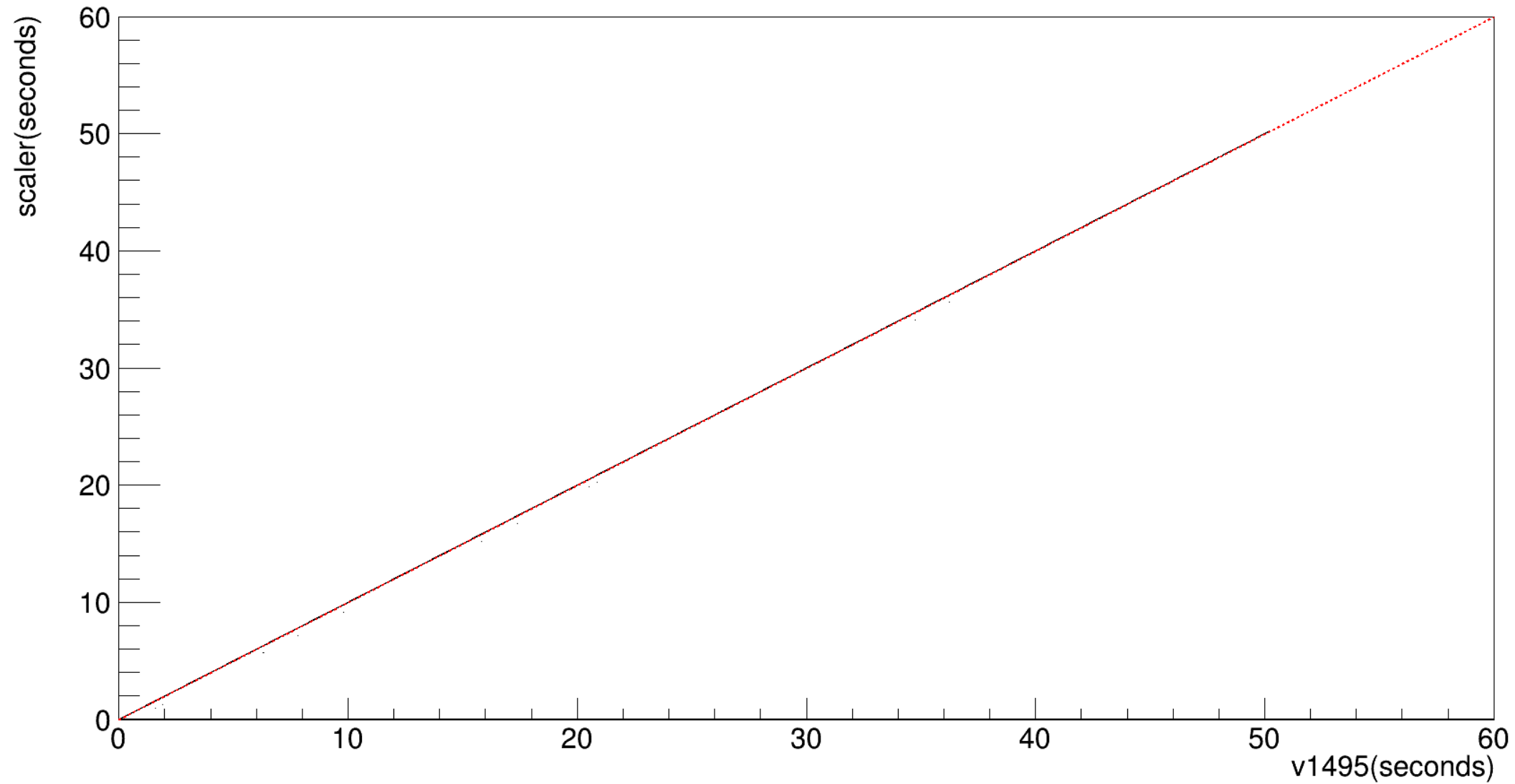


LeftBCMev.BeamUp_time_v1495[4]



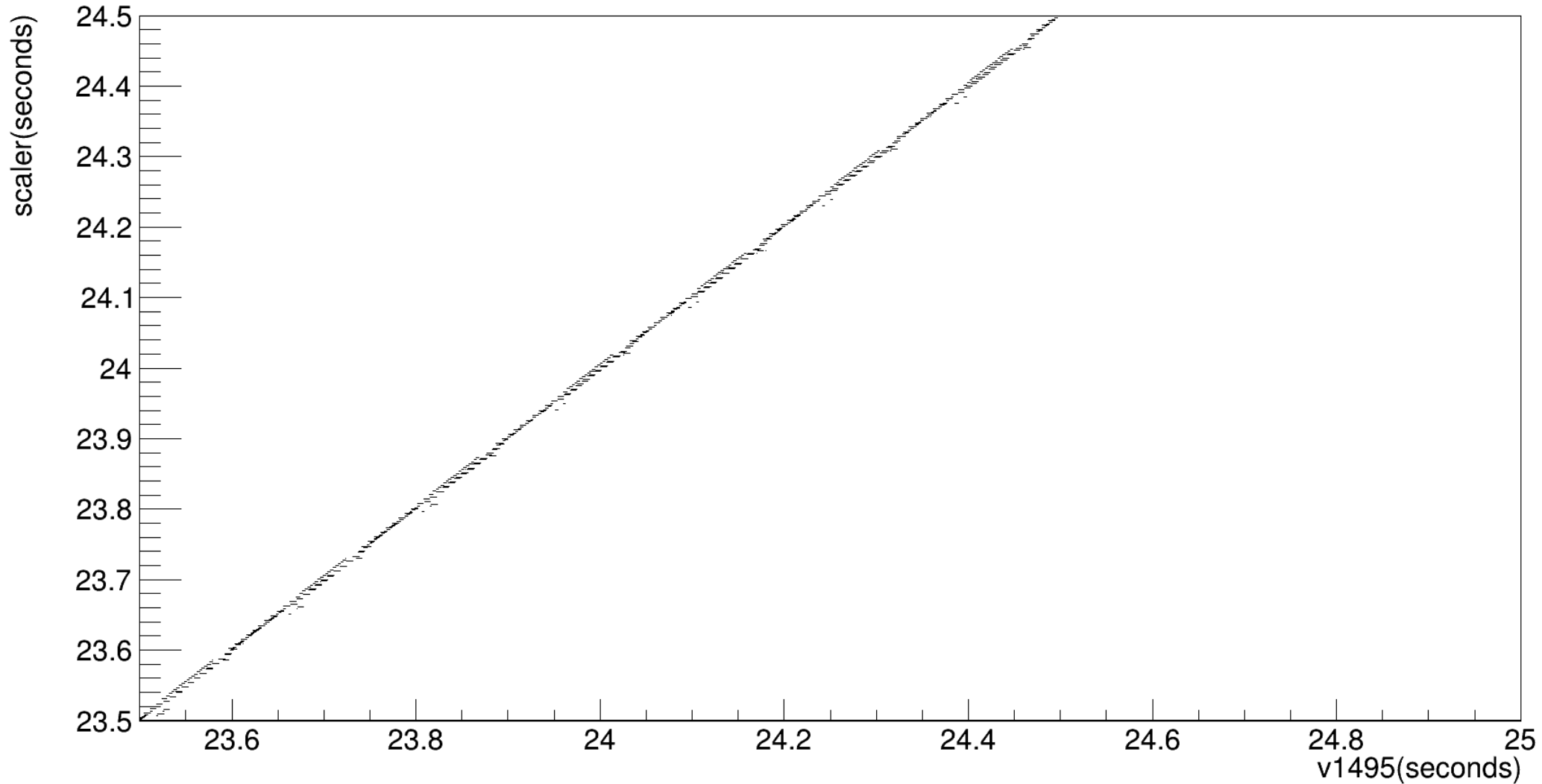
Comparison between v1495 and scalars

LeftBCMev.BeamUp_time_scaler[4]:LeftBCMev.BeamUp_time_v1495[4]



Resolution difference in BeamUp_time

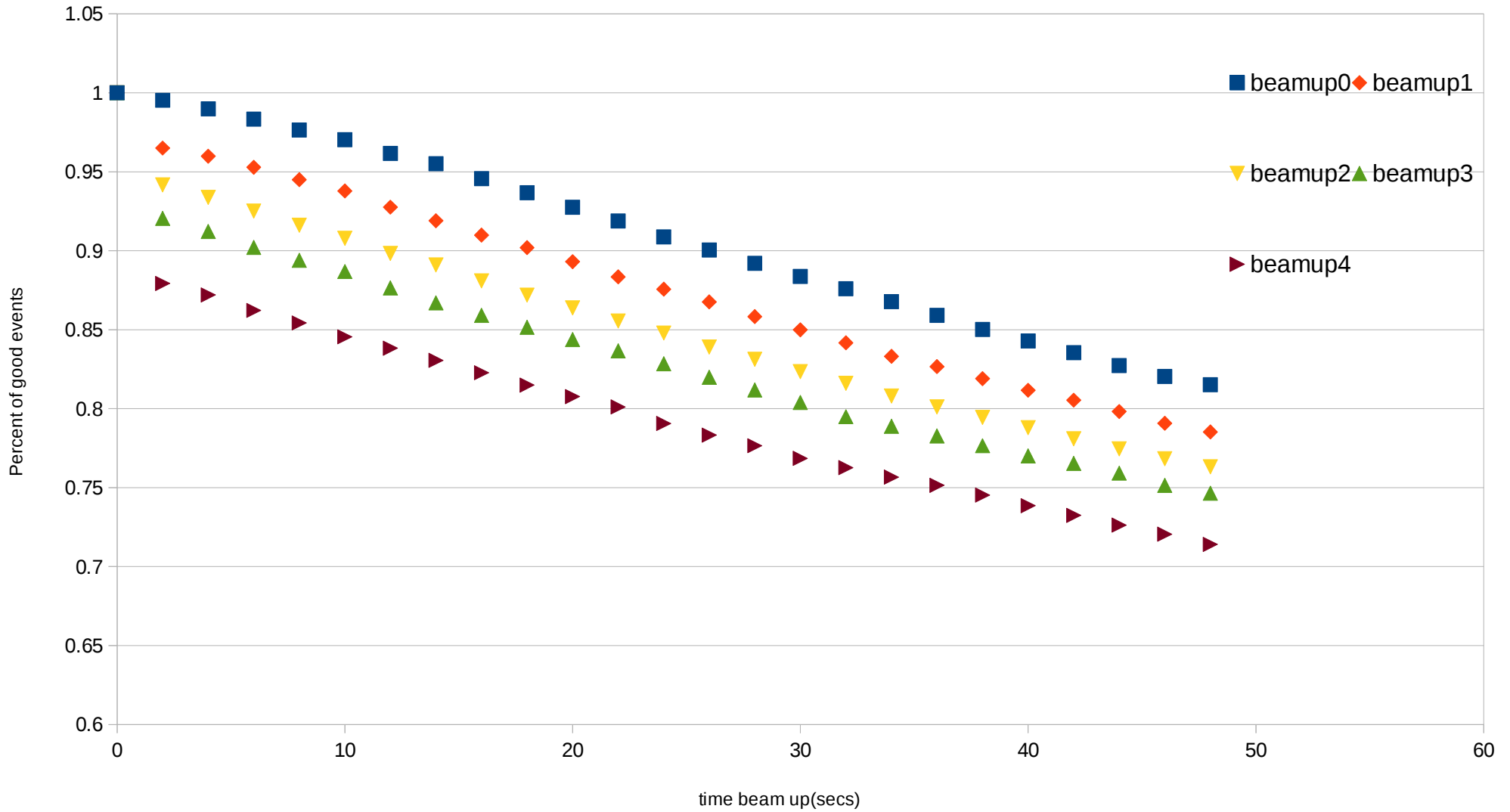
LeftBCMev.BeamUp_time_scaler[4]:LeftBCMev.BeamUp_time_v1495[4]



D2-> 9089

Percent of Good electrons

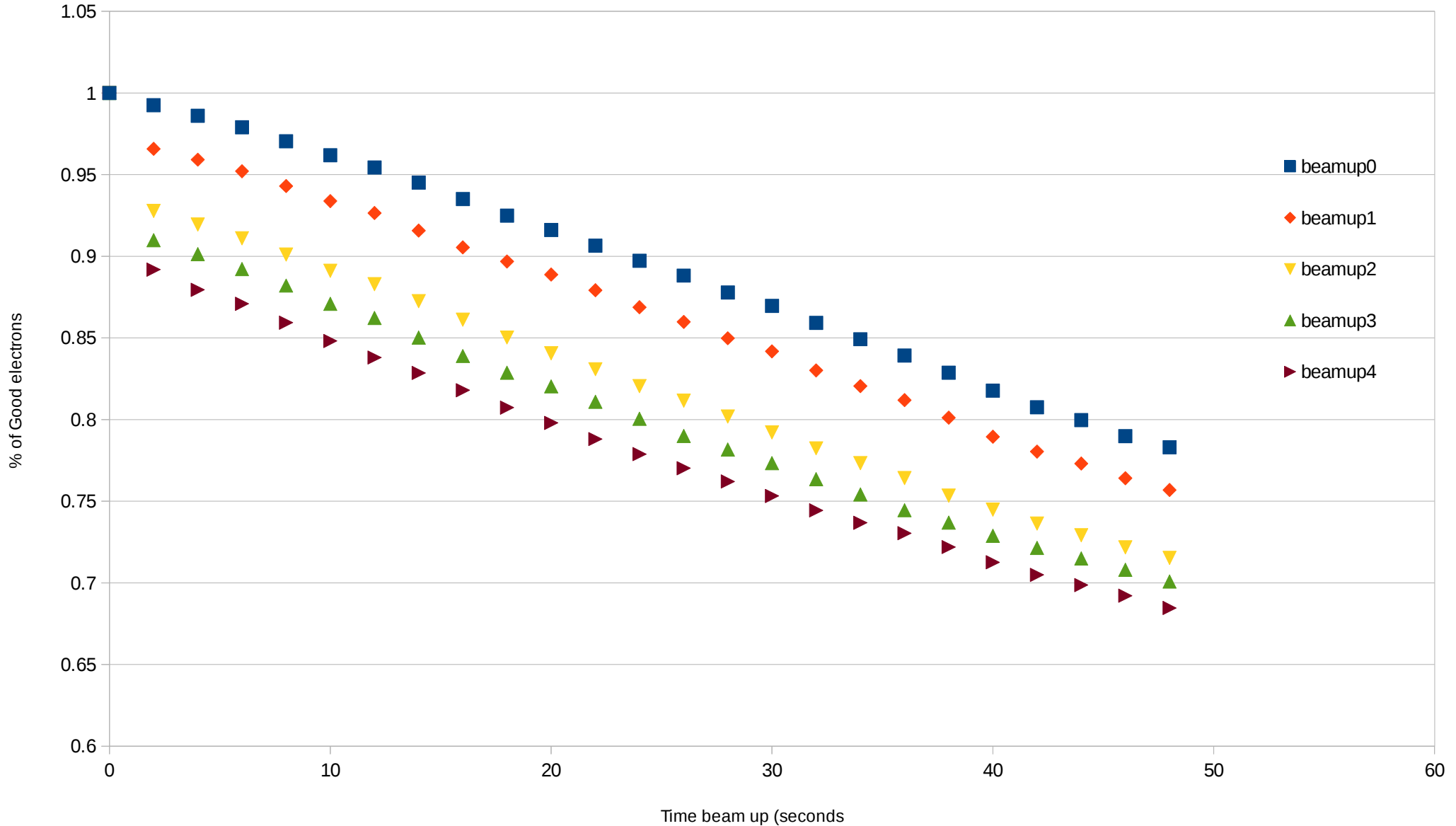
with new beam quality cut



H3-> 8468

Percent of Good E's

With new beam quality cut



He3-> 8857

Percent of Good Electons

with new beam quality cut

