

2019.10.11

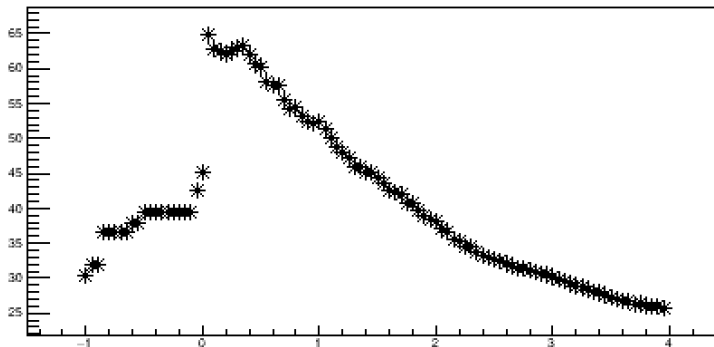
K+ survival ratio

- h2_nochecut.root (maruhadaka data 20191012)

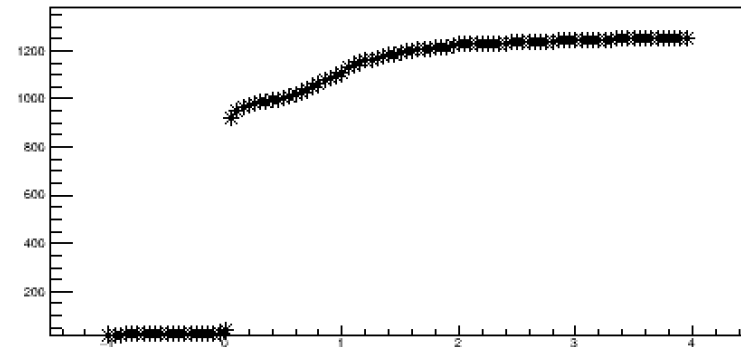
ac1 < param (ac2 and gas setted)

```
////////////////////// 0 1 2 3 4 5 6 7 8  
double test_param[9] = {-20, 20, 0.35, 14.65, 5.00, 0.1048, 0.01515, 1800, -1.};  
double test_min[9] = {-20, 0, -1.00, 0.30, 0.00, 0.0500, 0.00500, 0, -1.};  
double test_max[9] = {0, 20, 4.00, 30.0, 14.60, 0.1250, 0.04000, 5000, -1.};
```

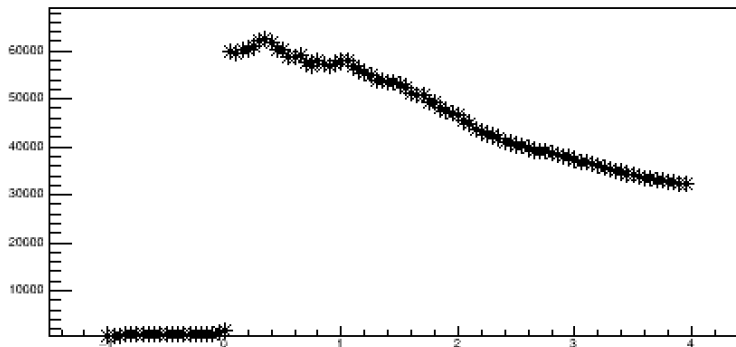
K/BG



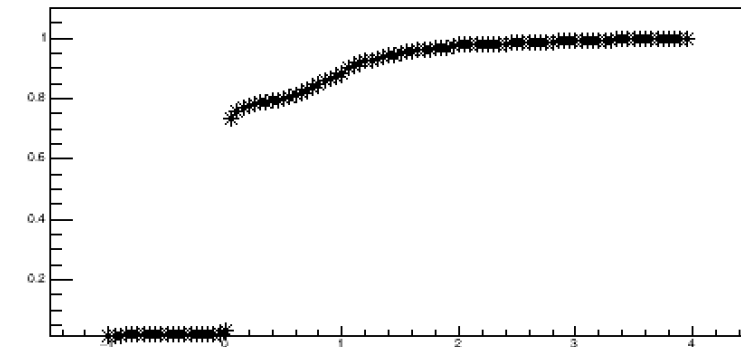
Number of K



K/BG * K



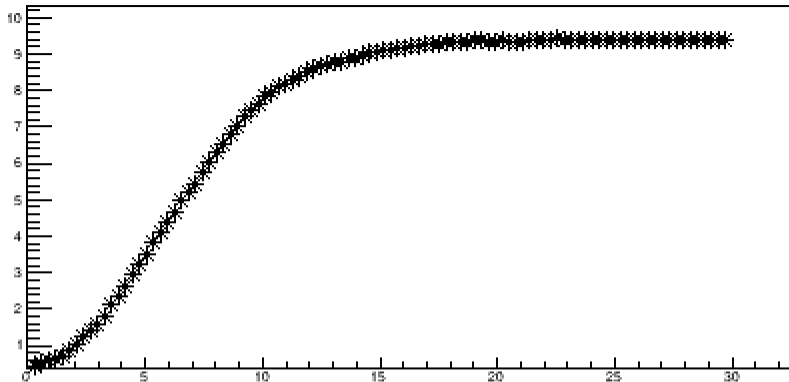
Survival Ratio



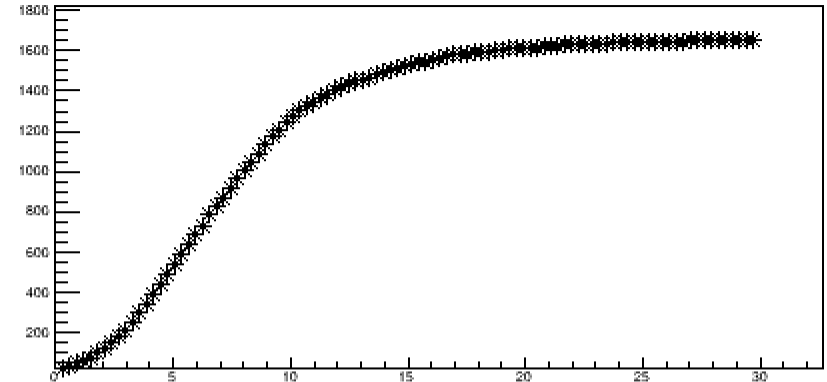
ac2 < param (ac1 and gas setted)

```
//////  
double test_param[9] = {0, 1, 2, 3, 4, 5, 6, 7, 8};  
double test_min[9] = {-20, 20, 0.35, 14.65, -1000.00, 0.1048, 0.01515, 1800, -1.};  
double test_max[9] = {-20, 0, -1.00, 0.30, 0.00, 0.0500, 0.00500, 0, -1.};  
double test_max[9] = {0, 20, 4.00, 30.0, 14.60, 0.1250, 0.04000, 5000, -1.};
```

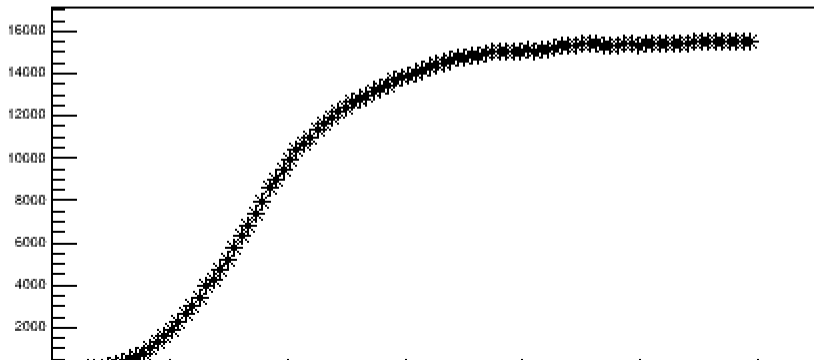
K/BG



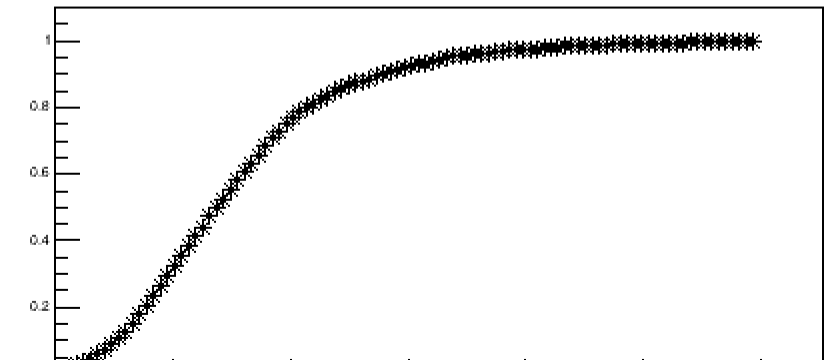
Number of K



K/BG * K

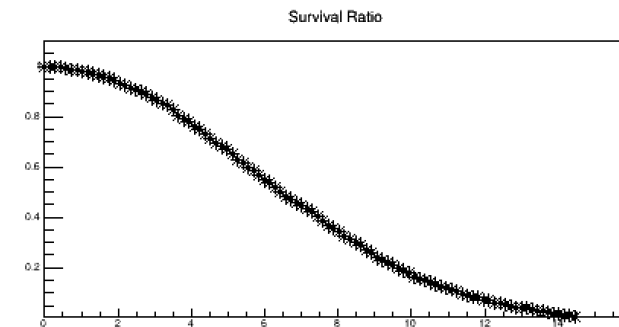
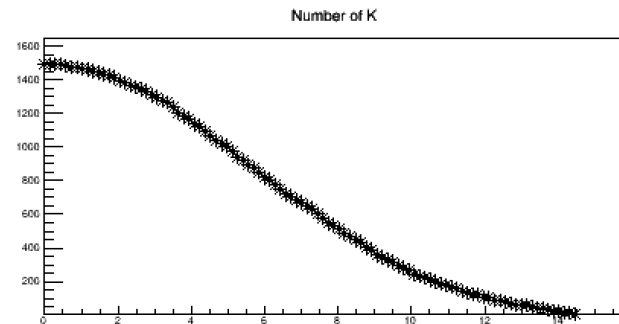


Survival Ratio



param < ac2 < 14.65 (ac1 and gas setted)

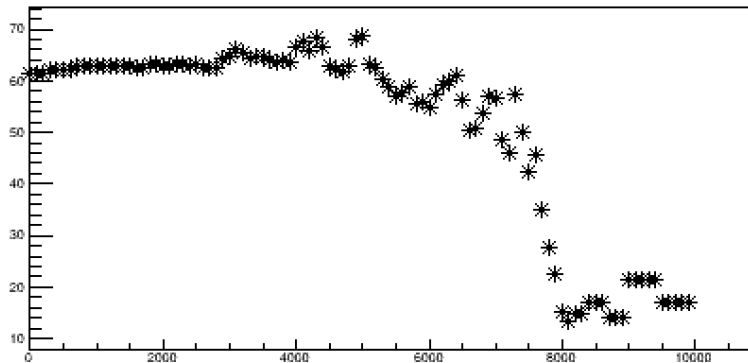
```
//////////////////////////////////// 0 1 2 3 4 5 6 7 8  
double test_param[9] = {-20, 20, 0.35, 14.65, -1000.00, 0.1048, 0.01515, 1800, -1.};  
double test_min[9] = {-20, 0, -1.00, 0.30, 0.00, 0.0500, 0.00500, 0, -1.};  
double test_max[9] = { 0, 20, 4.00, 30.0, 14.60, 0.1250, 0.04000, 5000, -1.};
```



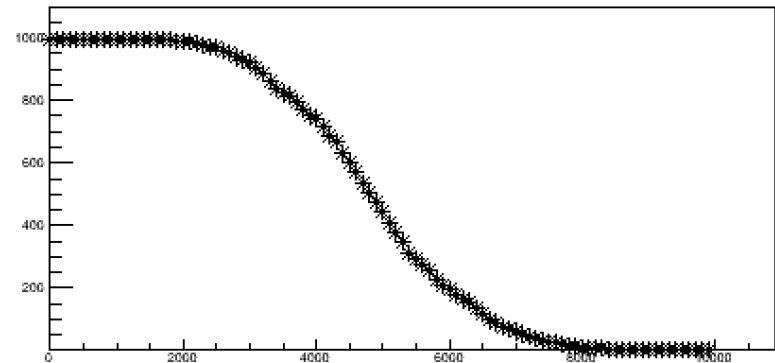
par < che (ac1 and ac2 setted)

```
//////////  
double test_param[9] = {0, 1, 2, 3, 4, 5, 6, 7, 8};  
double test_min[9] = {-20, 20, 0.35, 14.65, 5.00, 0.1048, 0.01515, 1800, -1.};  
double test_max[9] = {-20, 0, -1.00, 0.30, 0.00, 0.0500, 0.00500, 0, -1.};  
double test_max[9] = {0, 20, 4.00, 30.0, 14.60, 0.1250, 0.04000, 5000, -1.};
```

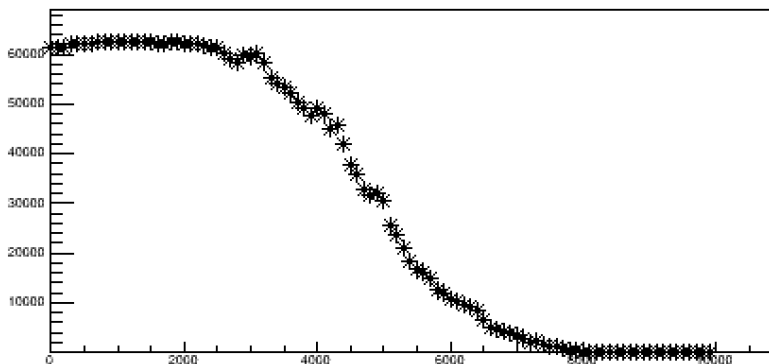
K/BG



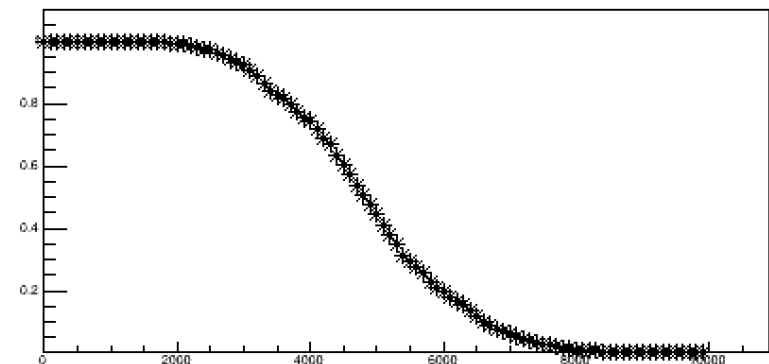
Number of K



K/BG * K



Survival Ratio



Bishun tells me that geometrical information is in replay/DB

```
File Edit View Search Terminal Help
db_enhLightScalevt.dat db_Lrb.Raster2.dat db_R.trg.dat
db_evLeftScalevt.dat db_Lrb.Raster.dat db_run_adag.dat
db_evRightScalevt.dat db_L.s0.dat db_run.dat
db_FbusL.cer.dat db_L.s2.dat db_Rurb.BPMA.dat
db_FbusLrb.BPMA.dat db_Lurb.BPMA.dat db_Rurb.BPMB.dat
db_FbusLrb.BPMB.dat db_Lurb.BPMB.dat db_R.vdc_April_4_2019.dat
db_FbusLrb.Raster2.dat db_L.vdc.dat db_R.vdc.dat
db_FbusLrb.Raster.dat db_L.vdc_eep_June_28.dat db_R.vdc_eep_June28.dat
db_FbusL.s0.dat db_L.vdceff.dat db_R.vdceff.dat
db_FbusL.s2.dat db_L.vdc_June12.dat db_R.vdc.GMP.dat
db_FbusLurb.BPMA.dat db_OldTrackL.s0.dat db_R.vdc.June11.dat
db_FbusLurb.BPMB.dat db_OldTrackL.s2.dat #db_R.vdc_thlr.dat#
db_FbusR.cer.dat db_OldTrackL.vdc.dat db_R.vdc_thlr.dat
db_FbusRrb.BPMA.dat db_OldTrackR.s0.dat db_TA.dE.dat
db_FbusRrb.BPMB.dat db_OldTrackR.s2.dat db_TA.E.dat
db_FbusRrb.Raster2.dat db_OldTrackR.vdc.dat db_urb.BPMA.dat
db_FbusRrb.Raster.dat db_R.a1.dat db_urb.BPMB.dat
db_FbusR.s0.dat db_R.a2.dat scaler.map
db_FbusR.s2.dat db_rb.Raster.dat
db_hel.dat db_R.cer.dat
lfarm1401.jlab.org> emacs db_L.s2.dat

** (emacs:17377): WARNING **: Couldn't connect to accessibility bus: Failed to c
connect to socket /tmp/dbus-9UjHwBdLEQ: Connection refused
```

```
57 4 11 16 31 1 1877
58 4 11 0 15 17 1877
59 L.s2.npaddles = 16
60 L.s2.position = -0.121 0 3.179
61 L.s2.size = 2.236 0.432 0.05
62 L.s2.L.off = 1624.5 1515.98 1520.44 1517.33 1520.06 1519.82 1521.22 1522.56 1520.1 1519.14 1520.16 1514.22 1515.84 1515.93
    1519.71 1632.5
63 L.s2.R.off = 1565.6 1576.54 1572.45 1575.92 1577.13 1574.53 1577.68 1576.04 1577.11 1578.08 1578.3 1577.44 1577.32 1577.86 1
    576.93 1570.6
64 L.s2.L.ped = 4416.29 5941.13 5437.01 5439.46 5491.57 6589.26 5294.37 4758.07 5806.53 5295.60 6195.73 6674.53 6053.17 6688.51
    5333.08 5465.64
65 L.s2.R.ped = 4581.82 5980.98 4146.58 4511.03 6754.25 6157.71 4244.27 5065.02 5966.62 5238.73 5737.39 4338.58 6677.55 5762.80
    5562.49 5002.27
66 L.s2.L.gain = 1.18896 1.24453 1.15890 1.14130 1.09840 1.08652 1.01429 0.96631 0.93514 1.08294 1.04692 1.04651 1.04281 1.03612 1.04953
    1.03492
67 L.s2.R.gain = 1.35426 1.23134 1.16271 1.07575 1.19397 1.15362 1.07106 1.14940 1.29760 1.11916 1.04035 1.23951 1.09194 1.07658 1.0234
    0.94863
68 L.s2.avgres = 1e-10
69 L.s2.atten = 0.7
70 L.s2.Cn = 1.26193e+08
71 L.s2.MIP = 1e+10
```