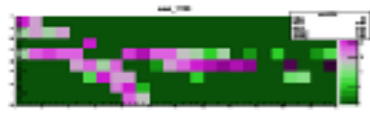


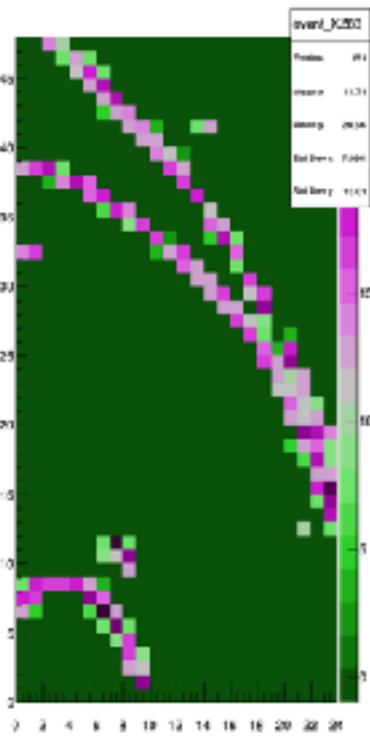
# **Event Display Parsing in t9rootfileanalysis**

**- A.Teklu**

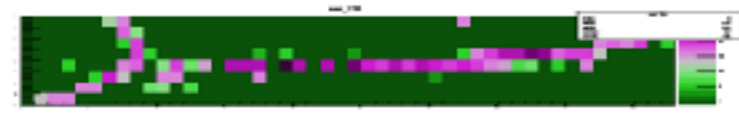
```
358     c1->Update();
359     if (event_Time[TOFtrigger]->GetEntries() > 15 || event_YZ[TOFtrigger]->GetEntries()>10 || event_XY[TOFtri
360         if (event_XZ[TOFtrigger]->GetStdDev(2) < 9 && event_Time[TOFtrigger]->GetStdDev(1) > 4 && event_XZ[TOFt
361         events2D->cd("stop_events");
362         c1->Write();
363         img->FromPad(c1);
364         img->WriteImage(TString::Format("%sc1%i.png", stopPath.c_str(), TOFtrigger));
365         events2D->cd();
366         img->Clear();
367         stoPath = stoPath + 1;
368     } else if (event_XZ[TOFtrigger]->GetStdDev(1) < 1.3 && event_XZ[TOFtrigger]->GetEntries() < 100 && even
369         events2D->cd("single_events");
370         c1->Write();
371         img->FromPad(c1);
372         img->WriteImage(TString::Format("%sc1%i.png", singlePath.c_str(), TOFtrigger));
373         events2D->cd();
374         img->Clear();
375         sinPath = sinPath + 1;
376     } else if(event_Time[TOFtrigger]->GetEntries()>160){
377         events2D->cd("multitrack_events");
378         c1->Write();
379         img->FromPad(c1);
380         img->WriteImage(TString::Format("%sc1%i.png", multiPath.c_str(), TOFtrigger));
381         events2D->cd();
382         img->Clear();
383         mulPath = mulPath + 1;
384     } else {
385         events2D->cd("other_events");
386         c1->Write();
387         img->FromPad(c1);
388         img->WriteImage(TString::Format("%sc1%i.png", otherPath.c_str(), TOFtrigger));
389         events2D->cd();
390         img->Clear();
391         othPath = othPath + 1;
392     }
393 }
```



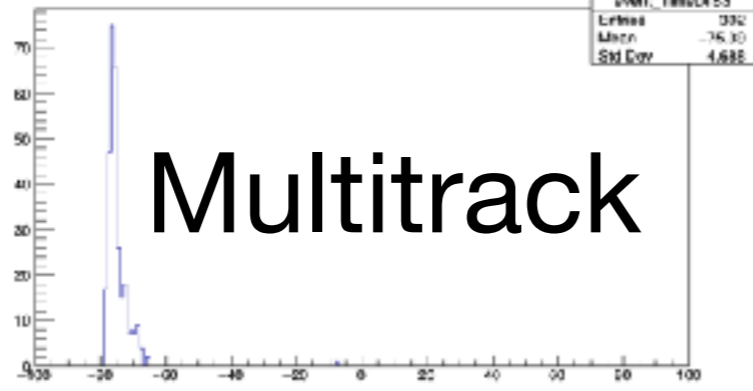
event\_X2783



event\_X200  
Entries: 49  
Mean: 11.31  
Max: 26.16  
Std Dev: 7.04  
Std Err: 1.11

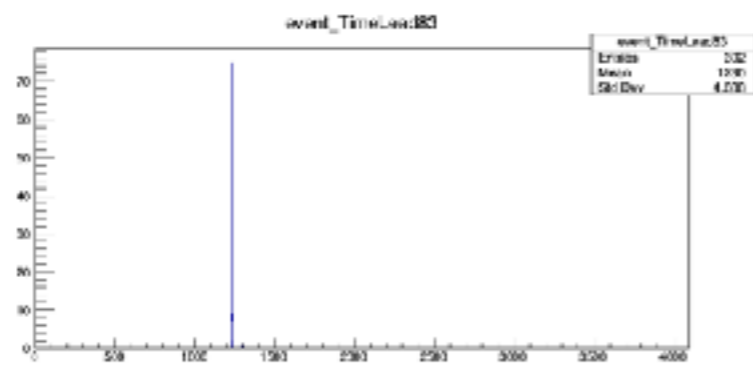


event\_TimeDiff83

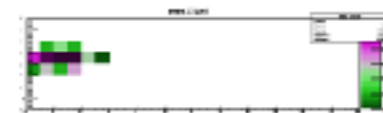


event\_TimeDiff83  
Entries: 332  
Mean: -76.30  
Std Dev: 4.688

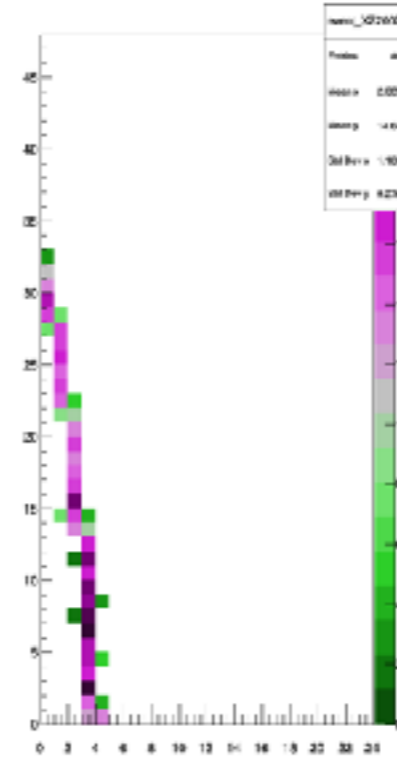
Multitrack



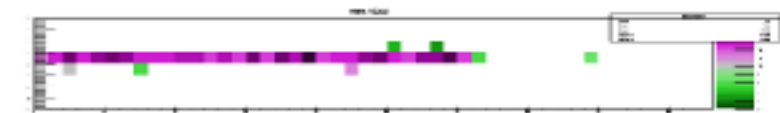
event\_TimeLead83  
Entries: 332  
Mean: 1500  
Std Dev: 4.00



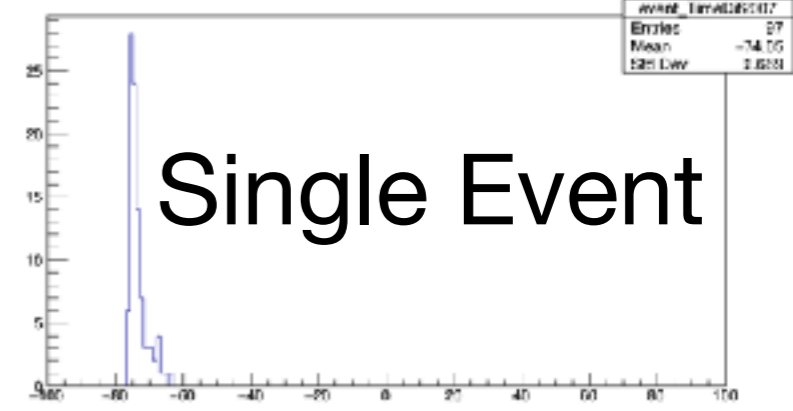
event\_X22007



event\_X22007  
Entries: 48  
Mean: 0.00  
Max: 1.44  
Std Dev: 1.00  
Std Err: 0.20

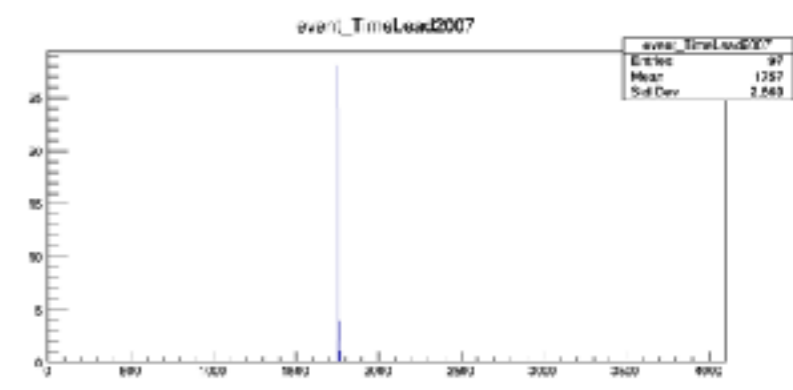


event\_TimeDiff2007

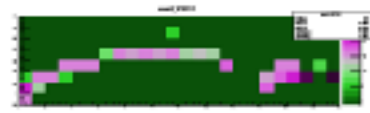


event\_TimeDiff2007  
Entries: 27  
Mean: -74.75  
Std Dev: 2.628

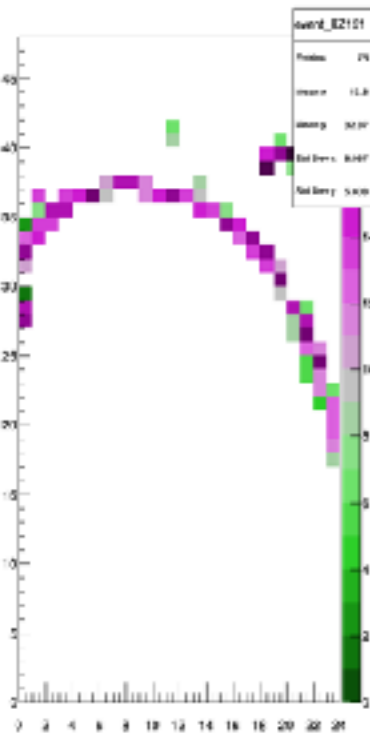
Single Event



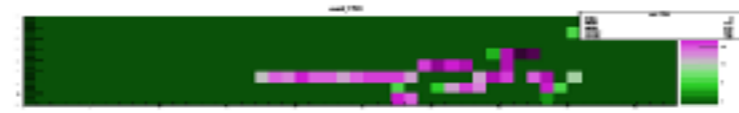
event\_TimeLead2007  
Entries: 97  
Mean: 2500  
Std Dev: 2.683



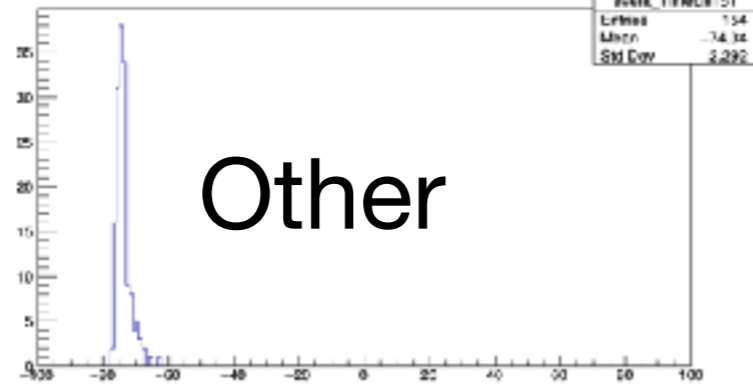
event\_X2151



event\_X2151  
Entries: 24  
Mean: 11.8  
Max: 30.36  
Std Dev: 8.607  
Std Err: 1.706

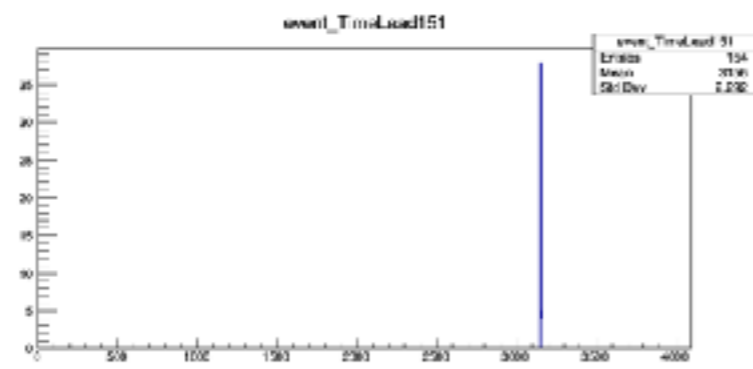


event\_TimeDiff151



event\_TimeDiff151  
Entries: 154  
Mean: -74.34  
Std Dev: 2.292

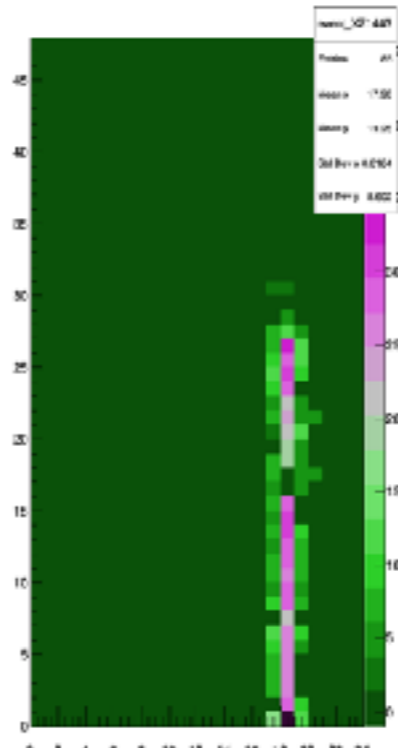
Other



event\_TimeLead151  
Entries: 154  
Mean: 3000  
Std Dev: 2.292



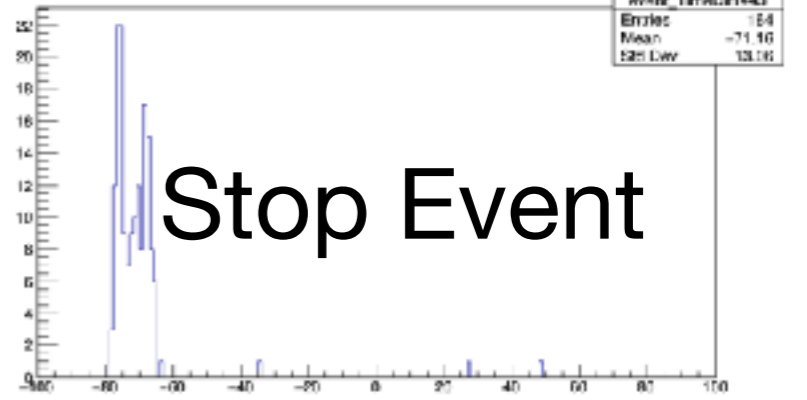
event\_X21443



event\_X21443  
Entries: 48  
Mean: 17.98  
Max: 1.44  
Std Dev: 4.004  
Std Err: 0.602

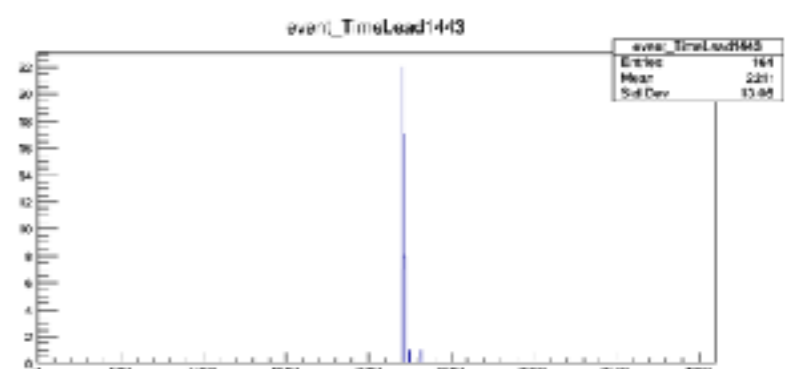


event\_TimeDiff1443



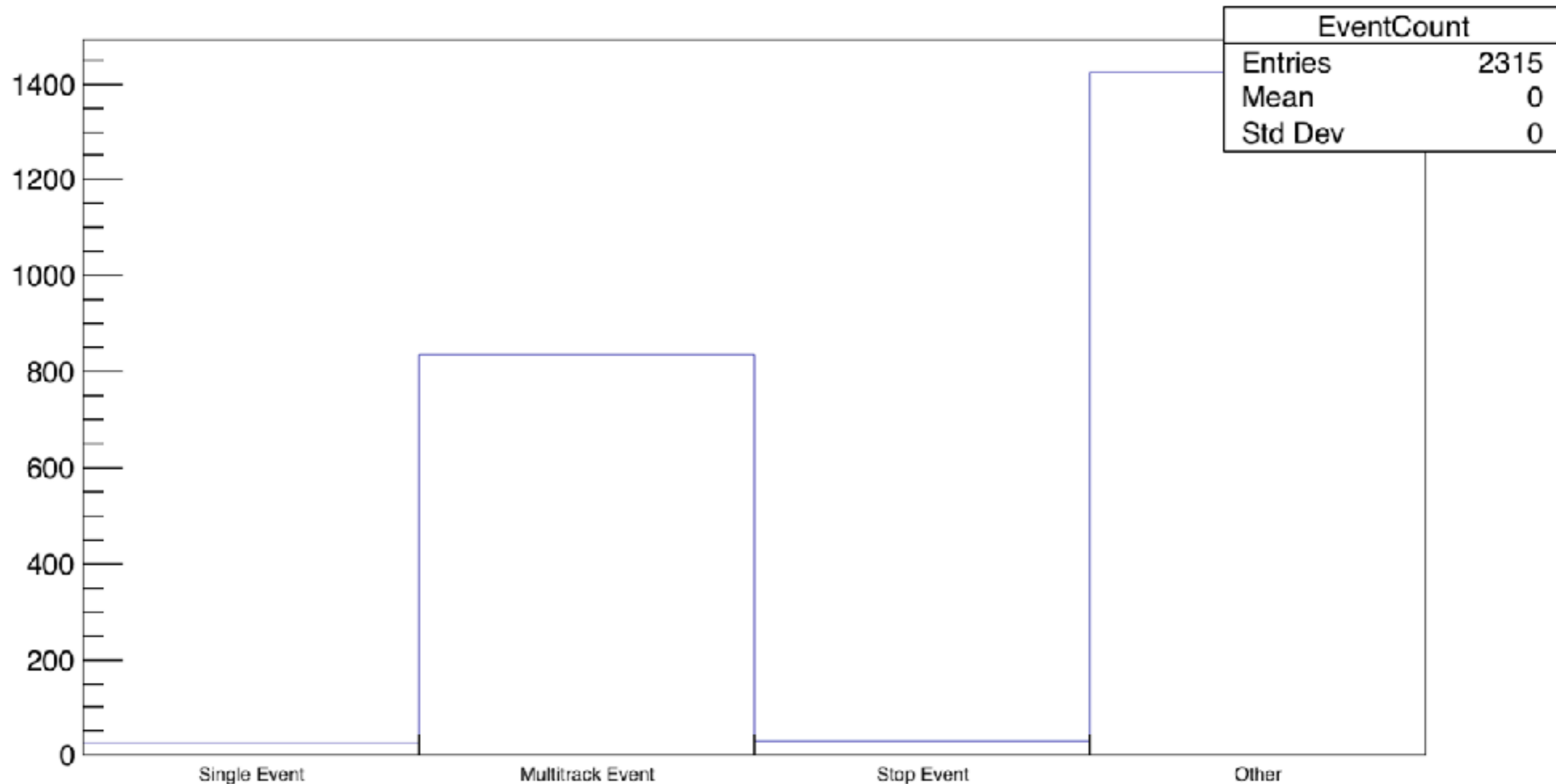
event\_TimeDiff1443  
Entries: 164  
Mean: -71.16  
Std Dev: 13.145

Stop Event



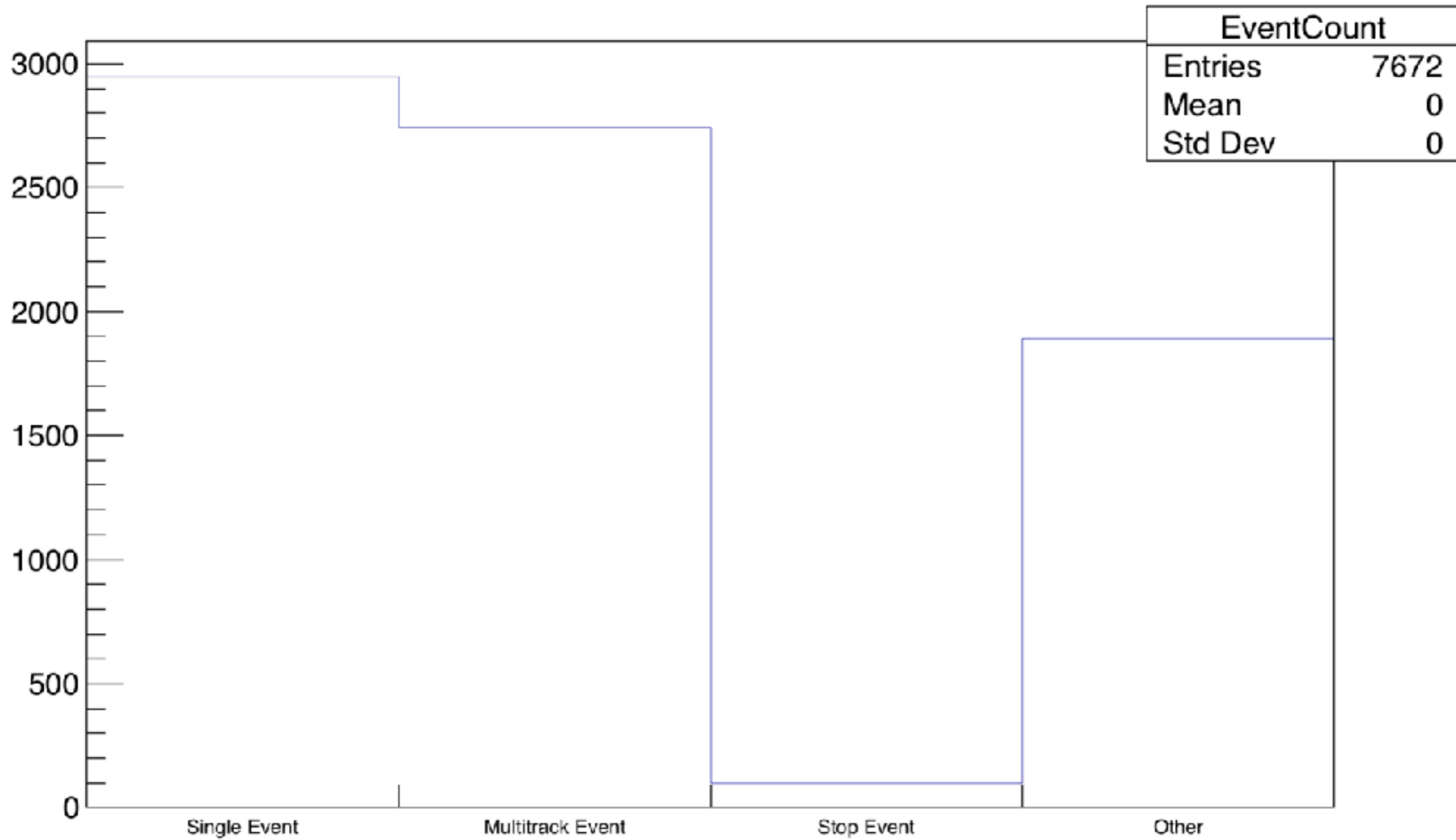
event\_TimeLead1443  
Entries: 164  
Mean: 2200  
Std Dev: 13.145

# Event Count



9July\_14\_MCR2\_hadrons\_-0pt5Gev\_0pt7T

# Event Count



9July\_18\_MCR1\_hadrons\_-0pt7Gev\_0pt2T\_Beam