

29/11/2023

```
Found event #4996 45 887
Found event #4997 50 237
Found event #4998 52 287
Found event #4999 55 337
Found event #5000 57 647
5000 events processed, "data_5000_180.root" written.
root [2] new TBrowser
(TBrowser *) 0x561af98cbf18
root [3] (TFile *) 0x561af974bda0
.q
giggia@PCGiorgia:~/Lab_interazioni/TOF/data$ root
| Welcome to ROOT 6.28/04 https://root.cern
| (c) 1995-2022, The ROOT Team; conception: R. Brun, F. Rademakers
| Built for linuxx8664gcc on May 08 2023, 02:44:07
| From tags/v6-28-04@v6-28-04
| With c++ (Ubuntu 9.4.0-1ubuntu1-20.04.1) 9.4.0
| Try '.help'/?', '.demo', '.license', '.credits', '.quit'/.q'
-----  
eseguo → decodifico in Root  
→ chiedo quanti sample voglio  
1000  
Found event #1 24 205  
Found event #2 25 365  
Found event #3 26 635  
Found event #4 33 625  
Found event #5 34 266  
Found event #6 35 346  
1000 events processed, "data_5000_180.root" written.
```

```
giggia@PCGiorgia:~/Lab_interazioni/TOF/data$ ls
Found event #995 43 924
Found event #996 46 54
Found event #997 46 814
Found event #998 47 714
Found event #999 47 844
Found event #1000 55 346
1000 events processed, "data_5000_180.root" written.
root [2] new TBrowser
(TBrowser *) 0x55acce8e97b20
root [3] (TFile *) 0x55acce8e97b20
new TBrowser
(TBrowser *) 0x55acce21d10
root [4] .q
giggia@PCGiorgia:~/Lab_interazioni/TOF/data$ ls
data.dat data_1.root data_5000_180.root read_binary.C read_binary_C_ACLIC_dict_rdict.pcm
data_0.dat data_2000_180.root data_5000_180.root read_binary.C_so
data_1.dat data_2000_180.root plot.C
giggia@PCGiorgia:~/Lab_interazioni/TOF/data$ root data_5000_180.root
| Welcome to ROOT 6.28/04 https://root.cern
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| Try '.help'/?', '.demo', '.license', '.credits', '.quit'/.q'  
usa re' nella cartella?  
→ apriamo con root, il nostro file root creato precedentemente  
→ cosa c'è dentro?  
questo ci interessa, c'è tutti i dati  
→ mettiamo in dati  
→ apriango di nuovo
```

```
giggia@PCGiorgia:~/Lab_interazioni/TOF/data$ root data_5000_180.root → Adesso se si fa ls ci sono 2 file, uno .C e uno .h
root [2] rec->MakeClass("dati")
Info in <TTreePlayer::MakeClass>: Files: dati.h and dati.C generated from TTree: rec
(int) 0
root [3] .q
giggia@PCGiorgia:~/Lab_interazioni/TOF/data$ root data_5000_180.root
| Welcome to ROOT 6.28/04 https://root.cern
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| Built for linuxx8664gcc on May 08 2023, 02:44:07
| From tags/v6-28-04@v6-28-04
| With c++ (Ubuntu 9.4.0-1ubuntu1-20.04.1) 9.4.0
| Try '.help'/?', '.demo', '.license', '.credits', '.quit'/.q'  
→ Disegniamo  
1 sola forma d'onda
```