

Hi Mamen,

you are setting the branch addresses with wrong type, feppx and eppid are arrays[ncnd]. If you check, you see

```
root [5] epempi0Tuple.Print("feppx*")
*****
*Br  0 :feppx   : feppx[ncnd]/F                                *
*Entries : 477980 : Total Size= 3999009 bytes File Size = 2757478 *
```

```
root [6] epempi0Tuple.Print("eppid*")
*****
*Br  0 :eppid   : eppid[ncnd]/I                                *
*Entries : 477980 : Total Size= 3999002 bytes File Size = 1021207 *
```

The number 477980 is exactly the number of events you see in your second approach.

You should do the loop like this:

```
float feppx[100];
int eppid[100];
int ncnd;

epempi0TupleReco->SetBranchAddresses("feppx", &feppx);
epempi0TupleReco->SetBranchAddresses("eppid", &eppid);
epempi0TupleReco->SetBranchAddresses("ncnd", &ncnd);

TH1F *Reco2;
Reco2 = new TH1F("Fill", "Fill", NBINS, BINMIN, BINMAX);

long NEntriesReco=(long)epempi0TupleReco->GetEntries();

for (int k=0; k<NEntriesReco; k++)
{
    epempi0TupleReco->GetEntry(k);

    if (k % 100000 == 0 && k != 0) cout<<"*** Reco Loop *** Getting Entry: "<< k << endl;

    for (int kk=0;kk<ncnd;++kk)
        Reco2->Fill(feppx[kk]);
}
```

With that I get the output:

File: epempi0-W2-10-Delta0-bw-LargeQ2-Merged.root

Number of events in the Histogram using Project:

Total_int (0-9)	Integral (1-8)	GetEntries
500104	500104	500104

*** Reco Loop *** Getting Entry: 100000

*** Reco Loop *** Getting Entry: 200000

*** Reco Loop *** Getting Entry: 300000

*** Reco Loop *** Getting Entry: 400000

Number of events in the Histogram looping over TTree:

Total_intF (0-9)	IntegralF (1-8)	GetEntriesF
500104	500104	500104

Best,
Klaus
