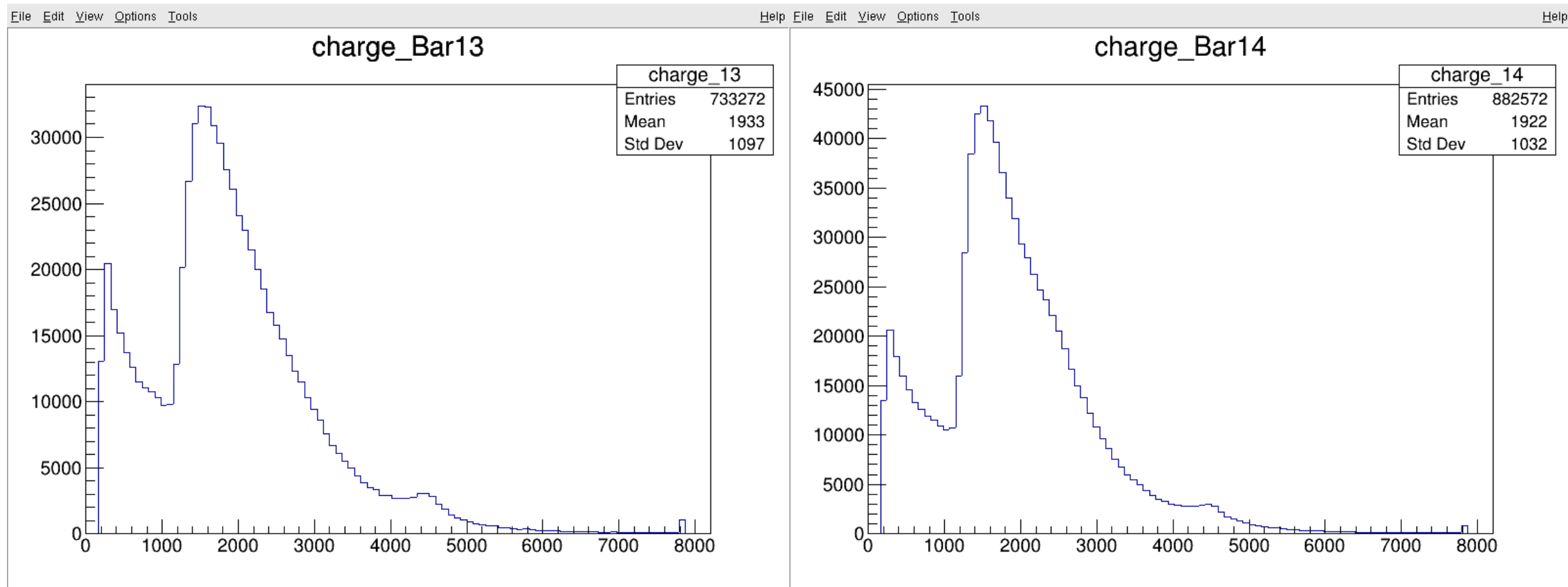


TOF

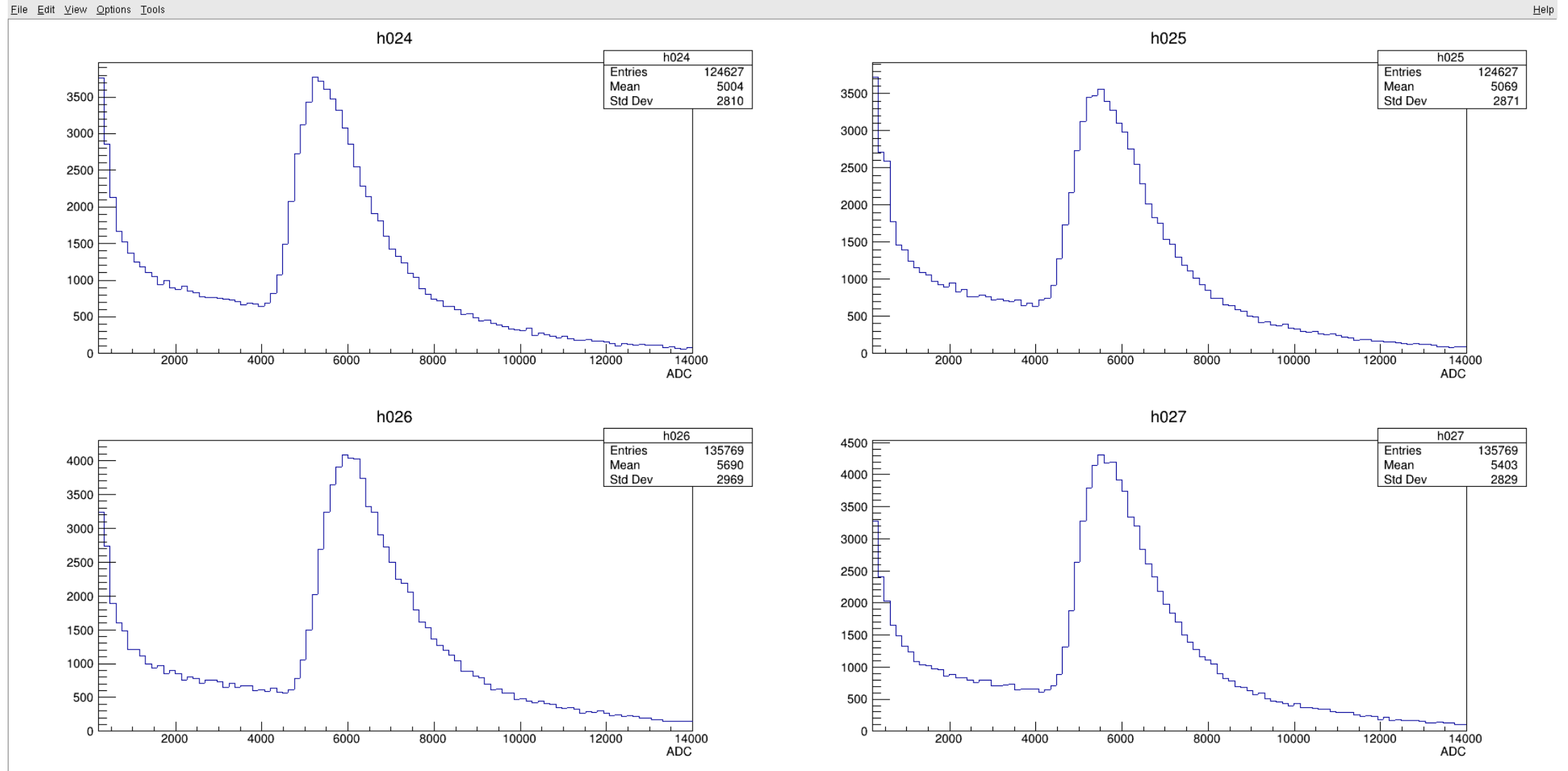
CERN data analysis

박관형

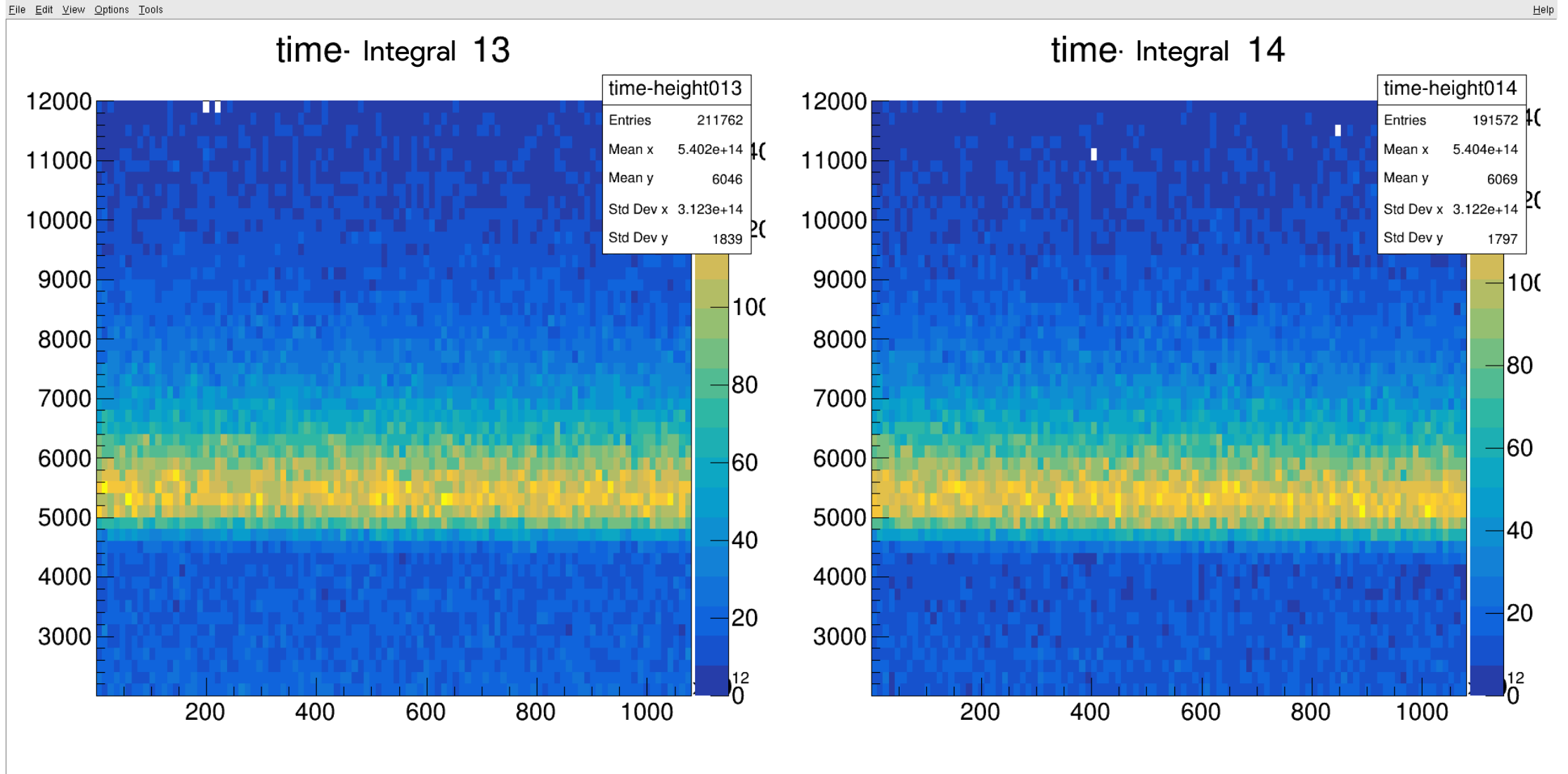
CERN data



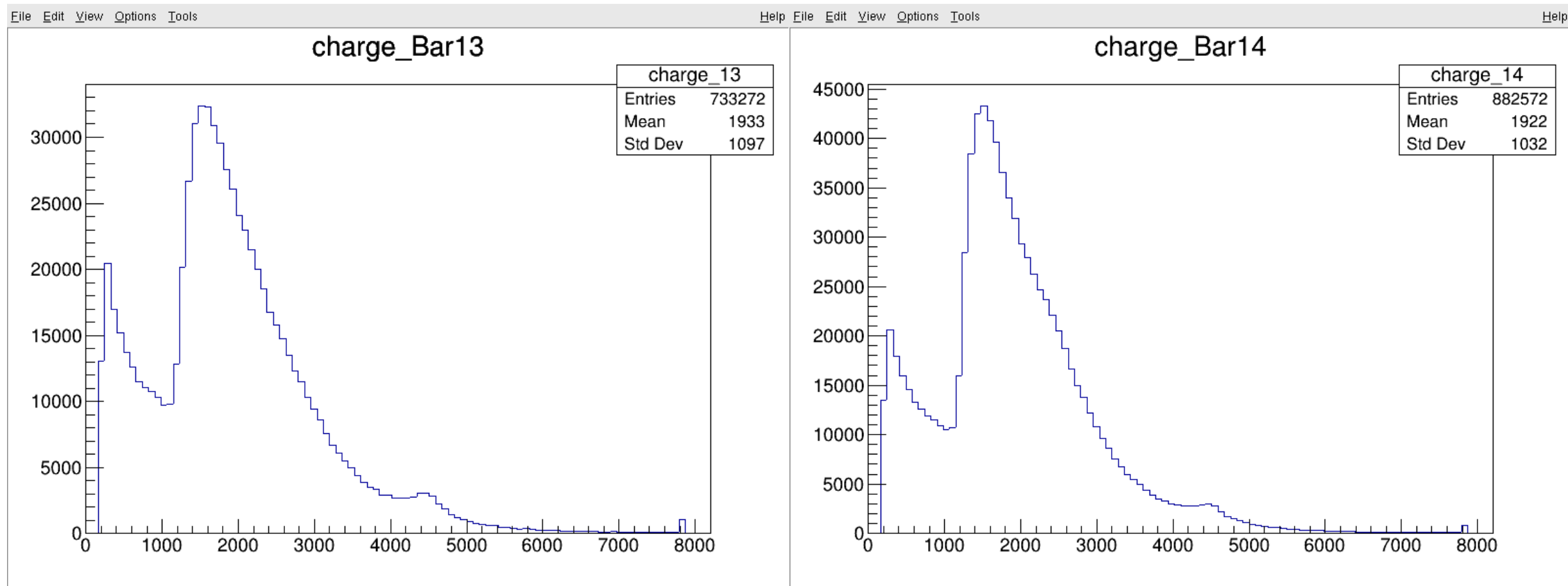
Integral for Bar 13-14 (no position cut)



Time-Integral histogram



CERN data



Charge_code

```
TH1D * charge[nBar]; // sum of max. height of Left and Right signals
for(int i = 0; i < nBar; i++){
    charge[i] = new TH1D(Form("charge_%d", i+1), Form("charge_Bar%d",i+1), 100, 0, 8200);
    // charge[i]->SetTitle("ADC Count");
    fHistProxy->Add(charge[i]);
}
```

Charge_code

```
    maxheight[pid-1] = wave->GetMaximum();
}
}

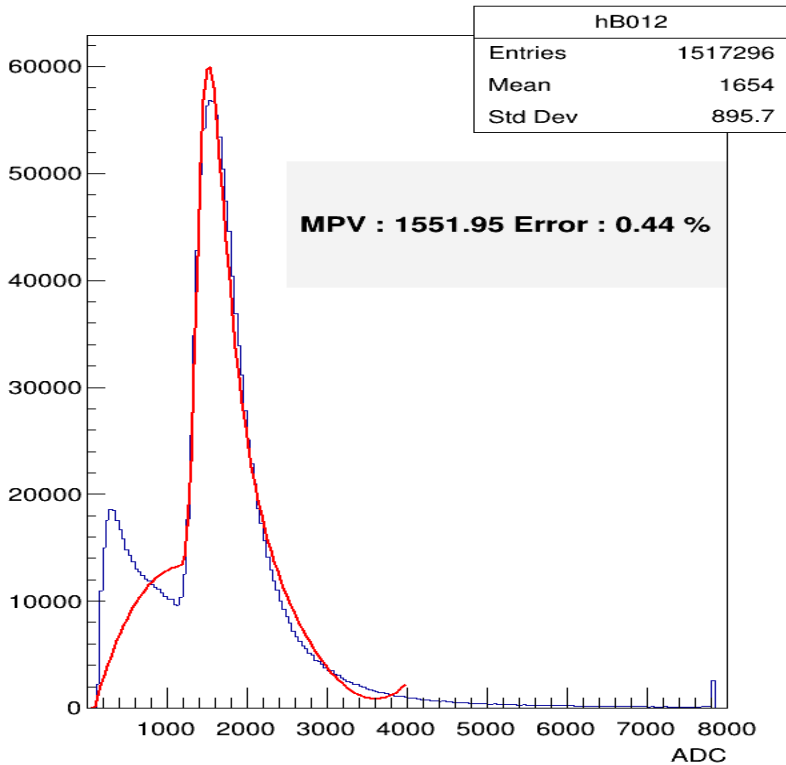
TH1D * occ = (TH1D*)fHistProxy->FindObject("occupancy");
TH1D * hitN = (TH1D*)fHistProxy->FindObject("hitNumber");
hitN->Reset();

TH1D * hitN1 = (TH1D*)fHistProxy->FindObject("hitNumberWall1");
hitN1->Reset();
TH1D * hitN2 = (TH1D*)fHistProxy->FindObject("hitNumberWall2");
hitN2->Reset();
for(int mid=0; mid<nadc; mid++){
    for(int bid=0; bid<2; bid++){
        // mid = module id, bid = bar id

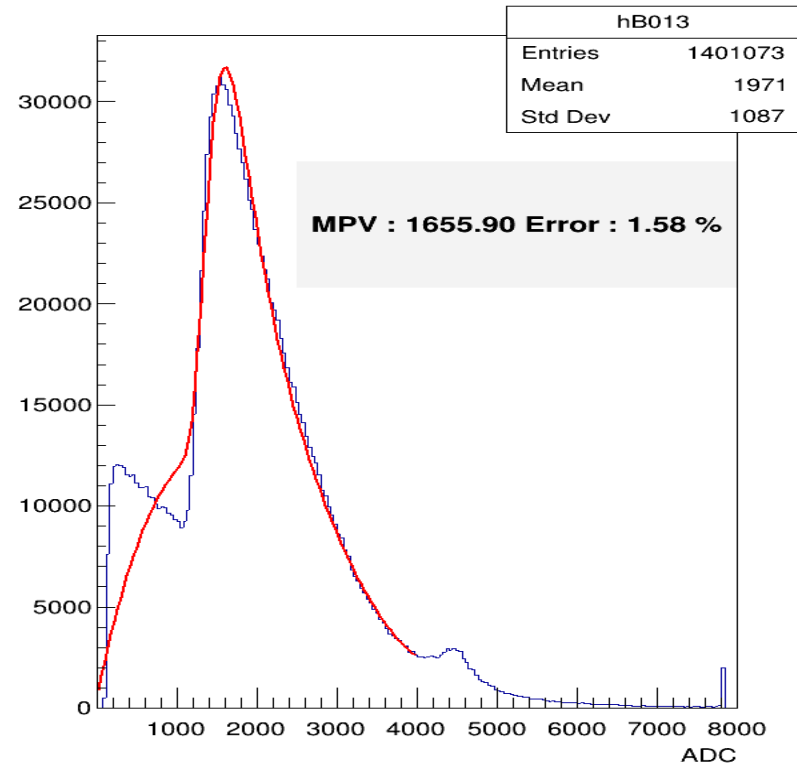
        int BarNum = mid*2+bid;
        double max = maxheight[2*BarNum] + maxheight[2*BarNum+1] - rdata->header[mid][2*bid]->ped[0] - rdata->header[mid][2*bid+1]->ped[0];
        TH1D * charge = (TH1D*)fHistProxy->FindObject(Form("charge_%d",BarNum+1));
        if(max>200)
            charge->Fill(max);
    }
}
```

Height L + Height R

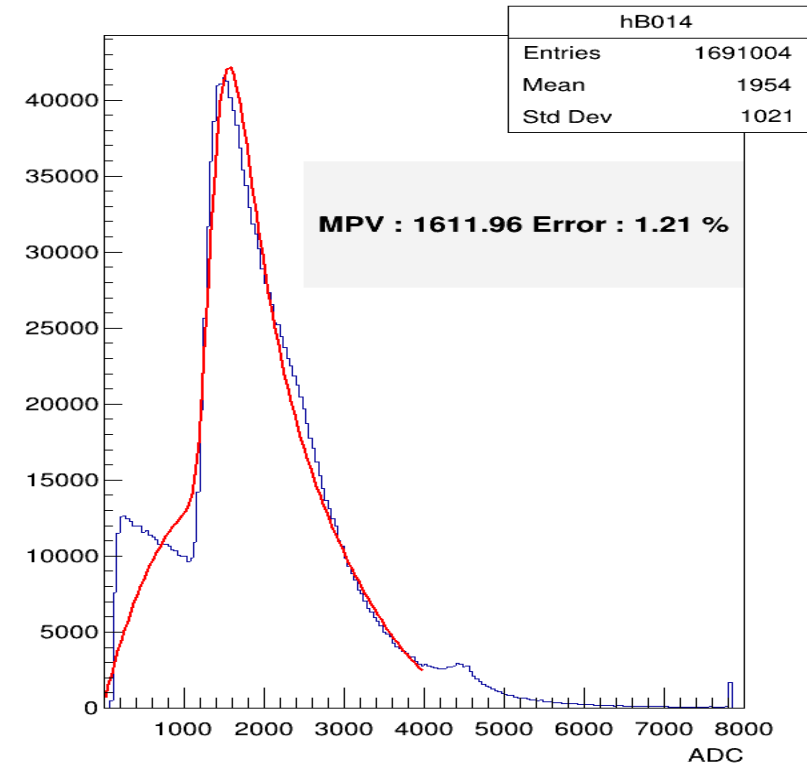
hB012



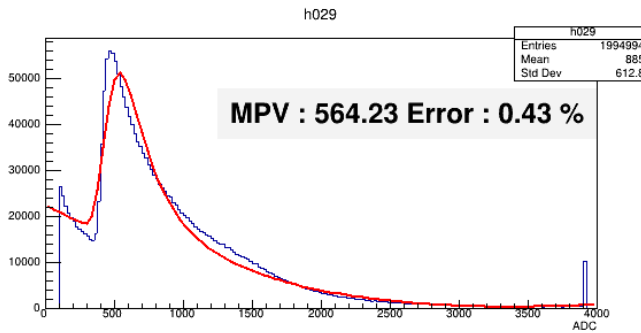
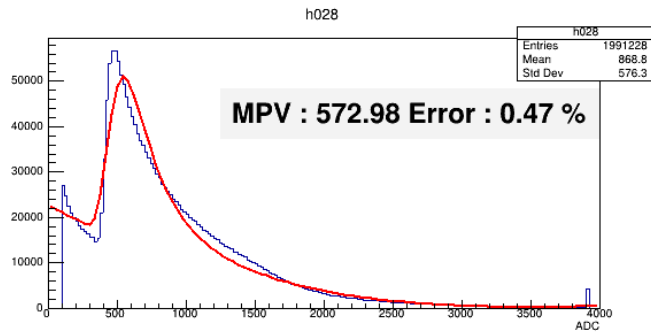
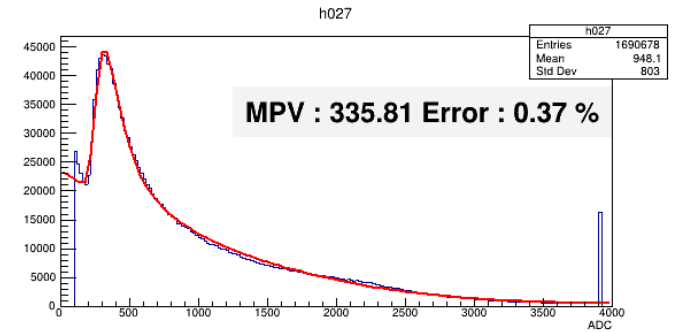
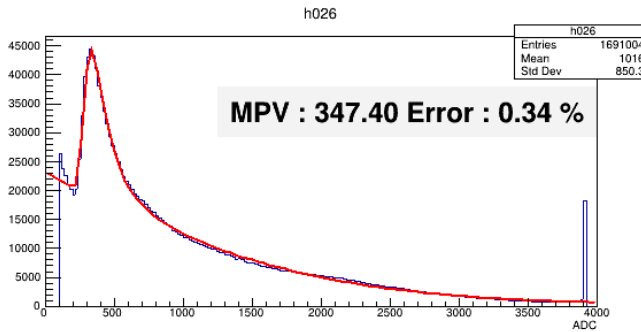
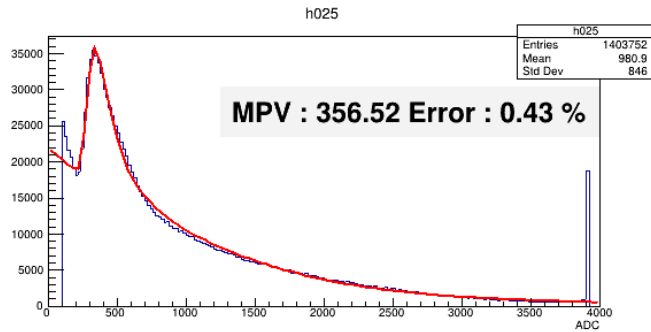
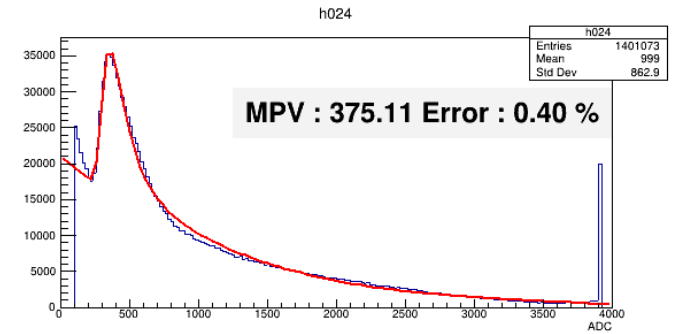
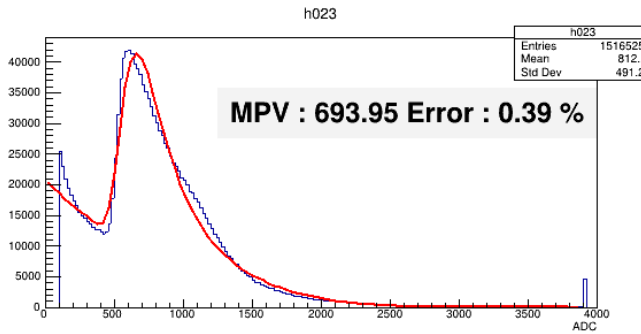
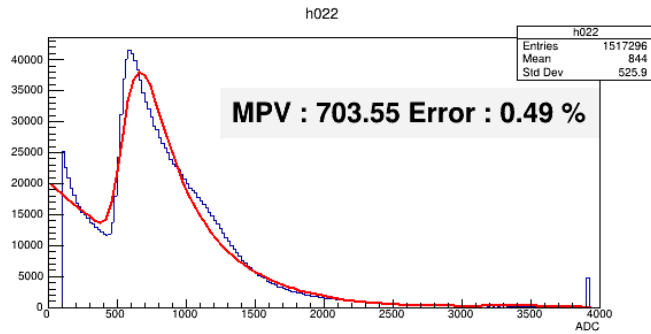
hB013



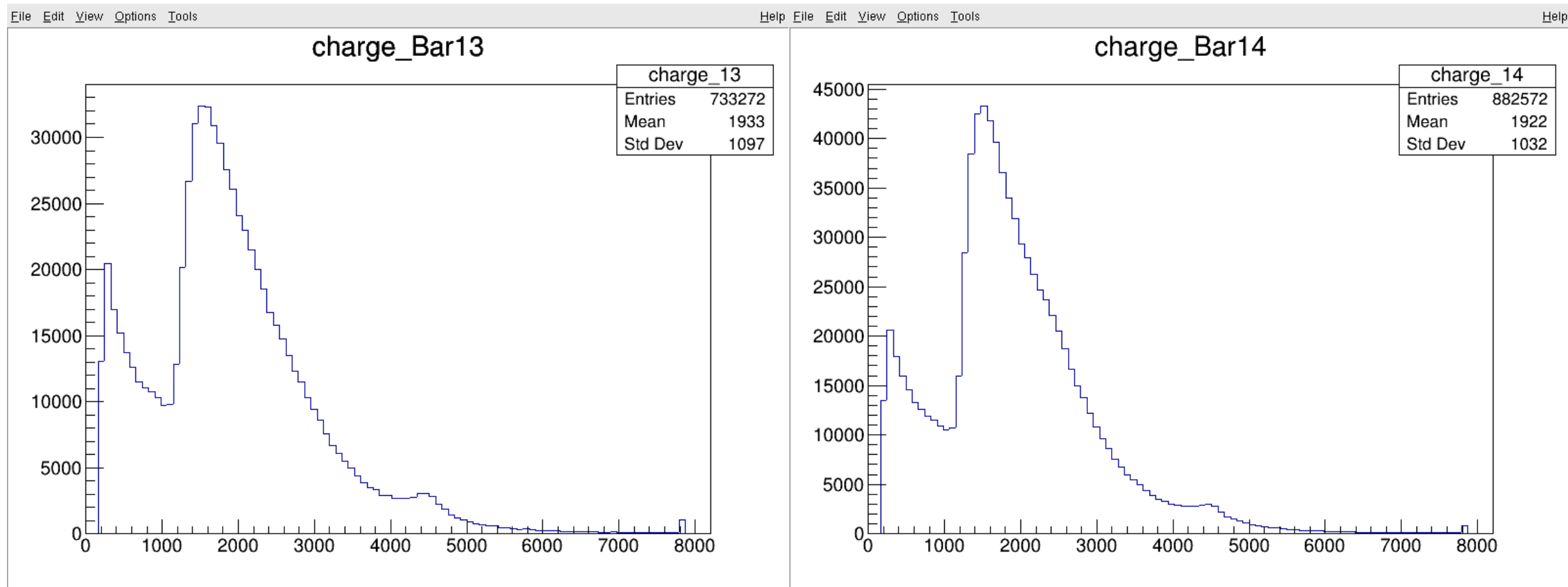
hB014



Height for Bar 12-15



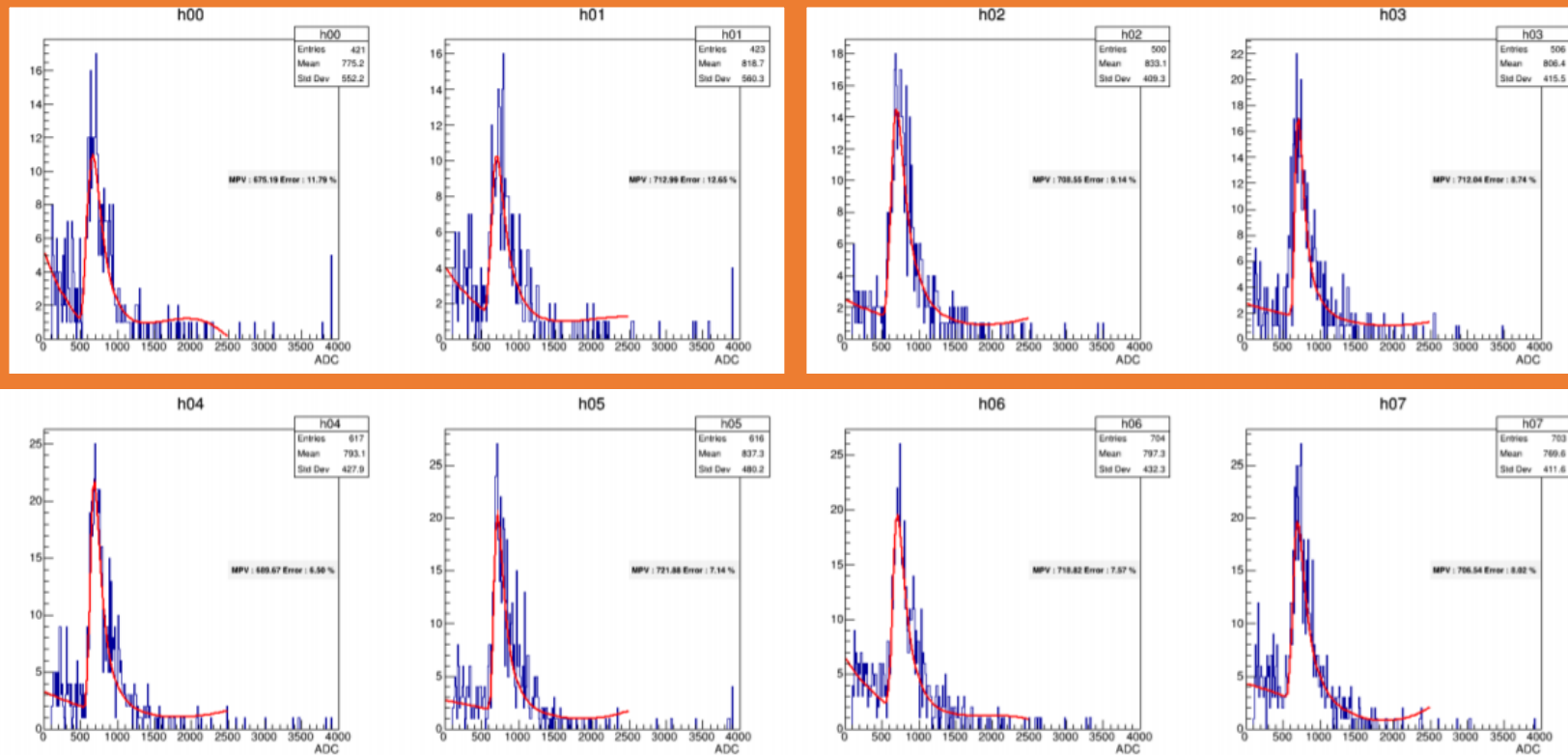
CERN data



180806 data(Jaejin)

Calibration

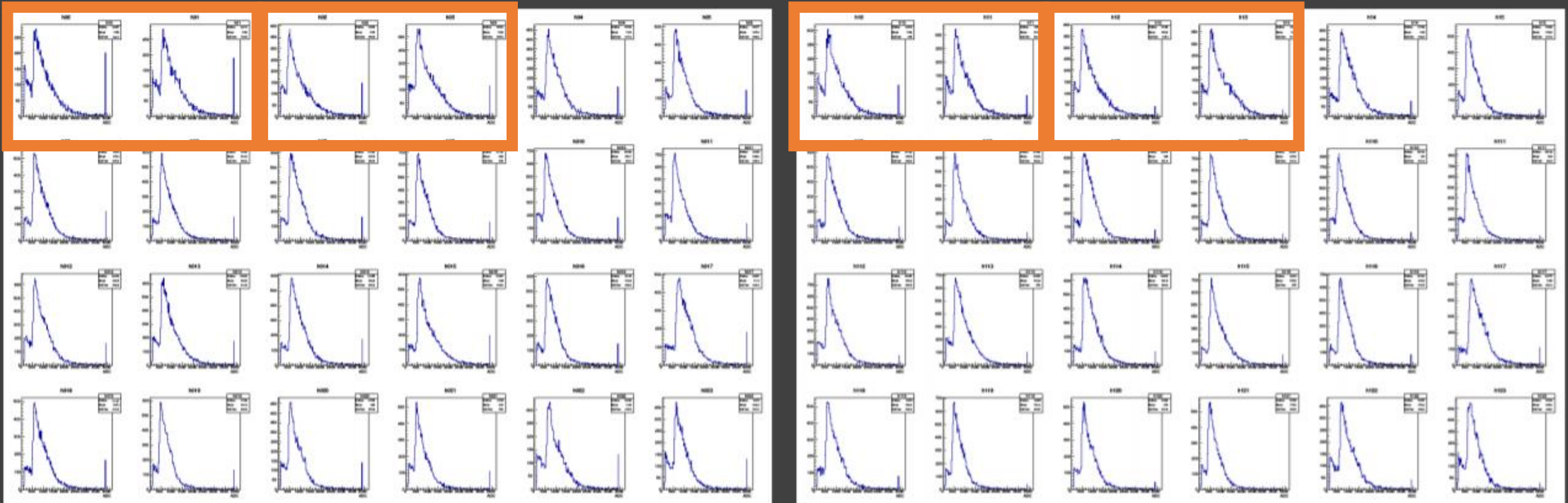
- #548: BAR 13~16



180806 data(Jaejin)

Anti proton beam data analysis

- Height distribution(AD ejection cut)



#460

#461

etc

- One more bar assembled
 - Repaired PMT seems fine