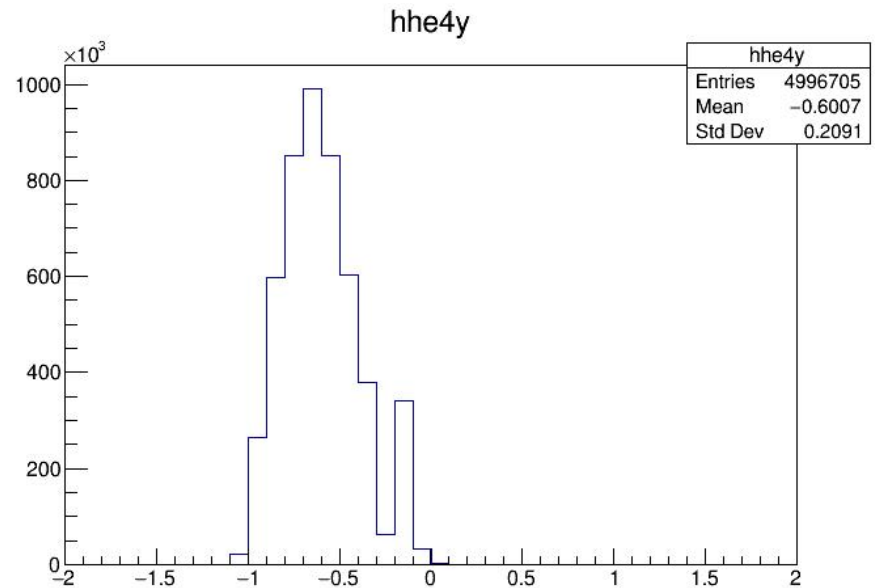
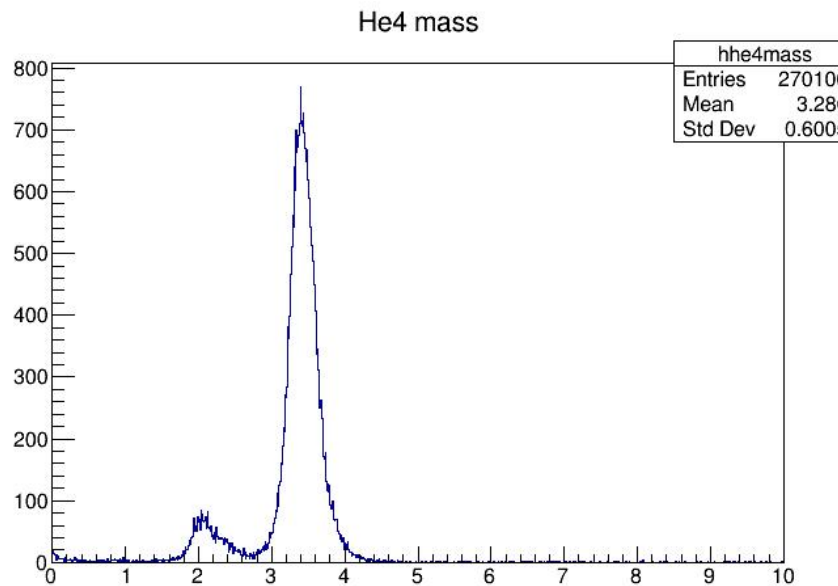


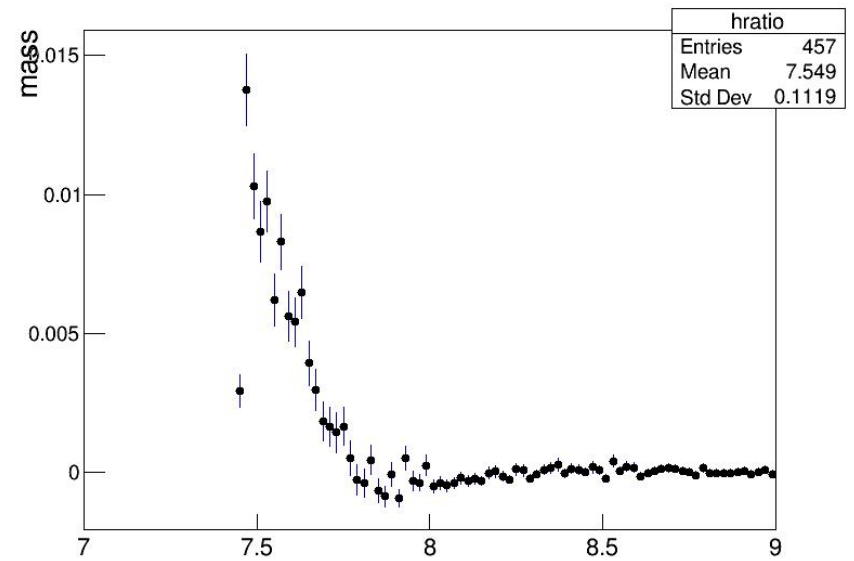
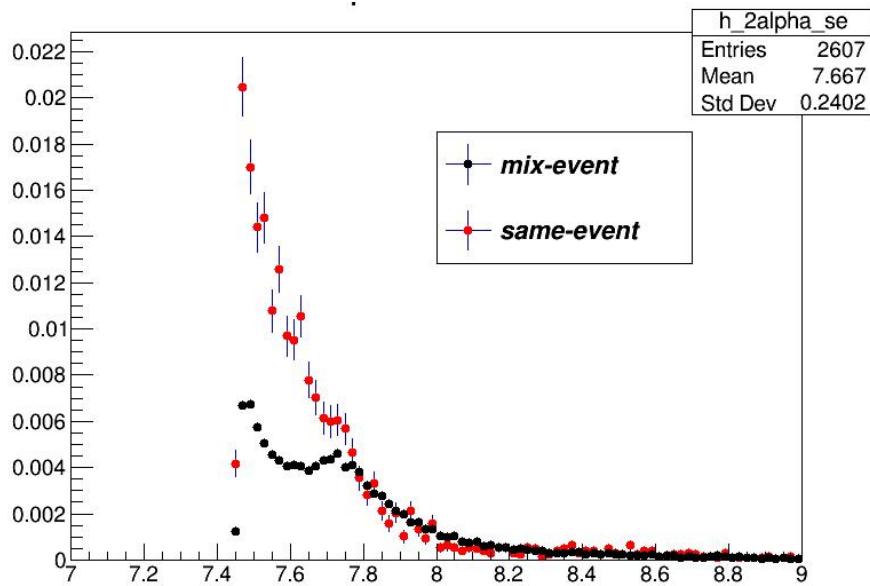
Qiyān

2024.09.10

```
if(he4_nhitsfit[i] < 15)continue;  
if(he4_nhitsmax[i] < 10)continue;  
if(hitsratio < 0.52)continue;  
if(fabs(dca_he4) > 1.0)continue;  
if(mass < 2.7)continue;  
if(he4_ycm < -1.0 || he4_ycm > 0.0)continue;
```

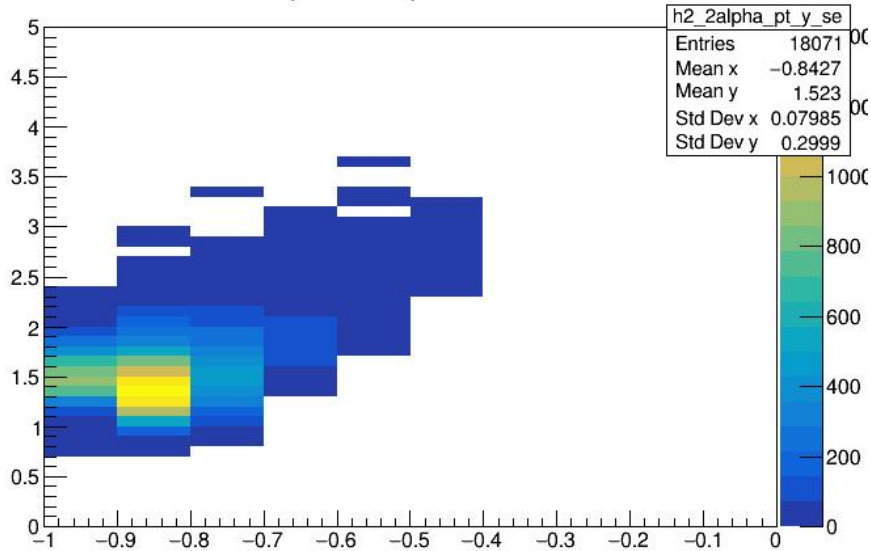


mass

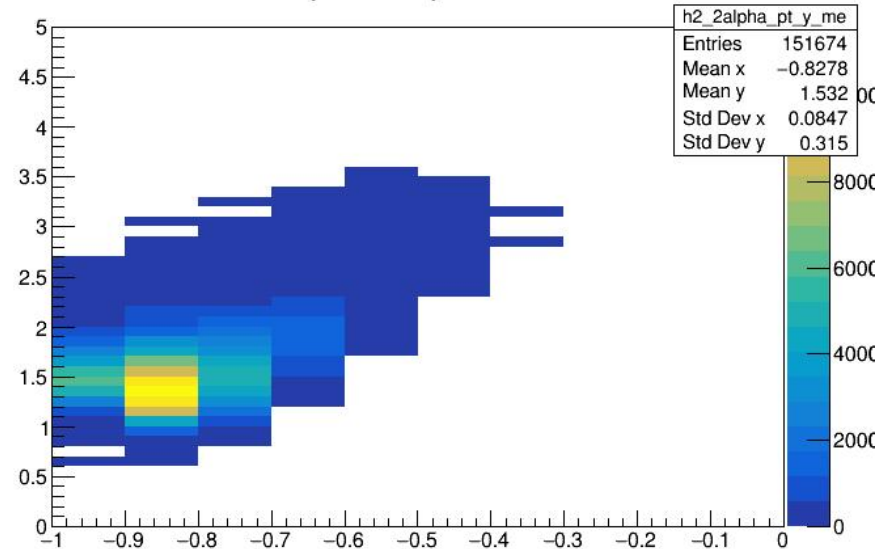


pt-ycm

2 alpha acceptance same



2 alpha acceptance mix



```
double be8_y = 1./2. * log((pair.E() + pair.Pz()) / (pair.E() - pair.Pz()));
```

```

pair = LA1+LA2;
Qvect = (LA1-LA2);
Pinv=pair.Mag();
Q1=(p1.mass * p1.mass - p2.mass * p2.mass)/Pinv;      //p1.mass=p2.mass=3.72738
Q=sqrt(Q1*Q1-Qvect.Mag2());
kstar= 0.5*Q;

```

