
Subject: [FIXED] Problem with daughter links
Posted by [Andreas Pitka](#) on Fri, 24 May 2013 15:04:55 GMT
[View Forum Message](#) <> [Reply to Message](#)

Dear all,

i realized following weird problem, when examining the decay: anti-D0 -> K+ pi-

I got my RhoCandList by aD.Combine(Kp,pim)

when i now compare the values:

```
for(int j=0;j<aD.GetLength();j++)
{
// Mass of the anti-D0 Candidate
double mass=aD[j].M();

TLorentzVector d1_p4=aD[j].Daughter(0)->P4();
TLorentzVector d2_p4=aD[j].Daughter(1)->P4();
TLorentzVector moth_p4=d1_p4+d2_p4;

// Mass of the anti-D0 by the four-vectors of the two daughters
double mass2=moth_p4.Mag();
}
```

they are quite often not the same. How can this be?

Best regards

Andreas

ps i used rev 19948