
Subject: Re: Problem with PndVertexFitter for particles with neutral charge
Posted by [Jennifer Pütz](#) on Fri, 29 May 2015 09:37:08 GMT
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Ok, sorry I should have give you some more information

```
theAnalysis->FillList(piminus, "PionAllMinus", "PidAlgoIdealCharged");  
theAnalysis->FillList(piplus, "PionAllPlus", "PidAlgoIdealCharged");  
theAnalysis->FillList(proton, "ProtonAllPlus", "PidAlgoIdealCharged");  
theAnalysis->FillList(antiProton, "ProtonAllMinus", "PidAlgoIdealCharged");
```

```
/** Lambda0 -> PiMinus + Proton  
lambda0.Combine(piminus,proton);  
lambda0.SetType(3122);
```

```
/** AntiLambda0 -> PiPlus + AntiProton  
antiLambda0.Combine(piplus,antiProton);  
antiLambda0.SetType(-3122);
```

```
/** Cross check: pbar + p -> Lambda0 + AntiLambda0
```

```
crossCheck.Combine(lambda0, antiLambda0);  
crossCheck.SetType(88888);
```

```
for (int j=0; j<crossCheck.GetLength(); ++j){  
  
//do vertex fit  
PndKinVtxFitter vertexFitter_cc (crossCheck[j]);  
vertexFitter_cc.Fit();  
RhoCandidate * ccFit = crossCheck[j]->GetFit();  
  
}
```
