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

```
/***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();

}
```
