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Subject: MC truth match for pbarpSystem (settype=88888)

Posted by [donghee](#) on Sat, 29 Mar 2014 23:56:20 GMT

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Hi,

I have a reaction pbarpSystem -> Lambda LambdaBar

Decay pbarpSystem

1.0 anti-Lambda0 Lambda0 LambdaLambdaBar 3.0;

Enddecay

and want to get McTruthMatch for LLbar system via set of initial state.

```
llbar.Combine(lam, lamb);
```

```
llbar.SetType(88888);
```

```
int nllbarmct = theAnalysis->McTruthMatch(llbar);
```

Is it correct?

Have a nice weekend!

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Subject: Re: MC truth match for pbarpSystem (settype=88888)

Posted by [Klaus Götzen](#) on Tue, 01 Apr 2014 06:15:04 GMT

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Hi Donghee,

yes, it actually should work like you write. In case the MC-match doesn't work you could also add the pbarpSystem to the TDatabasePDG beforehand with

```
double sqrts = <whatever value>;
```

```
TDatabasePDG::Instance()->AddParticle("pbarpSystem","ppbar",sqrts,0,0.0001,0,"",88888);
```

Best,

Klaus

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Subject: Re: MC truth match for pbarpSystem (settype=88888)

Posted by [donghee](#) on Tue, 01 Apr 2014 08:29:38 GMT

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OK clear

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