
Subject: Re: MC matching

Posted by [Alexander Zinchenko](#) on Wed, 10 Feb 2016 18:37:31 GMT

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Hello.

I tried to do what was suggested (at least as think I did what was suggested), i.e. for pi0-candidates which were classified as "no-matched with MC" I checked PDG codes of both daughters and they are 22 (photons).

Another strange thing (for me - maybe somehow related to this): if I do
PndAnalysis* theAnalysis = new PndAnalysis();

```
theAnalysis->FillList(mclist, "McTruth");
```

```
// Get number of pi0 decaying into gam gam
for (int jmc = 0; jmc < mclist.GetLength(); ++jmc) {
    if (mclist[jmc]->PdgCode() != 111) continue; // select only pi0
    hpi0_mult->Fill(mclist[jmc]->NDAughters());
}
```

I get quite a few cases with only one daughter. Is it a normal behavior?
