
Subject: MC Truth match with PHOTOS photons
Posted by [Klaus Götzen](#) on Fri, 29 Aug 2014 09:53:08 GMT
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Hi,

in order to MC match decays with additional photons from PHOTOS, I added some functionality to PndAnalysis which can be used with

```
PndAnalysis::McMatchAllowPhotos(int maxn=1, double thresh=0.05)
```

It takes as parameters the allowed maximum number of missing photons maxn (per decay node!), which all have to have an energy $E < \text{thresh}$.

This is still kind of experimental, so please let me know any problems or buggy behaviour you observe. Up to now I only tested the feature with FastSim. Since photons coming from PHOTOS are indistinguishable from primary ones, I don't see a better filtering possibility.

Best,
Klaus
