
Subject: Re: Using Rho without MC info

Posted by [Klaus Götzen](#) on Thu, 06 Aug 2015 05:57:13 GMT

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Hi Marcel,

I'm not completely sure whether I understand your problem. One thing is MC truth information, another is combining RhoCandLists, and I don't see a big connection between them. Combining neutrals exactly works like combining charged particles, so it should work like you wrote in case you have proper RhoCandLists.

If you'd like to build your own candidates (from e.g. your clusters), so that you can combine them via RhoCandList::Combine(), you can take a look how candidates are created from FairRecoCands in PndAnalysis::ReadRecoCandidates(). You would have to create FairRecoCands from your clusters beforehand. Important is to give each RhoCandidate a uid (unique id) in case you need overlap control, since the bitmarkers are set according to it. For $\pi^0 \rightarrow \gamma\gamma$ it shouldn't play a role though.

Best,
Klaus
