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Subject: Re: Update Notes

Posted by [Ralf Kliemt](#) on Thu, 04 Jul 2013 05:33:53 GMT

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Hi Stefano.

Yes.

To explain it in more detail:

Upon the first FillList in one event the MC Truth tree is built and each final state particle (the measurement) will get the McTruth object assigned.

The McTruthMatch checks the properties of the Reconstructed particle and the McTruth. Furthermore the intermediate particles form the decay tree (built up with Combine()) are checked, too. The bool value being returned tells if the match was successful. Matching composites will then have a valid McTruth pointer as well.

Ralf

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