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Subject: Re: EMC WorkPackages

Posted by [Johan Messchendorp](#) on Thu, 04 Feb 2010 20:36:58 GMT

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Concerning the pion-gamma identification, which Stefano mentions: he is indeed right, one could also do an identification extremely well by studying the shower shape of the cluster as alternative to the bump splitting. Just look at the bachelor work from Elwin Dijck (see the previous thread in this forum). I guess that Stefano is referring to this work (actually it is not done with root's TMVA, but with the software written by Mohammad Babai, which can handle more than two classes). With only a few parameters, a very good separation can be achieved. From this perspectives, I would support to implement the pion/gamma identification in the PID part in the same line as the identification of the other charged particle species.

Johan.

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