Good morning everybody.

Unfortunately, I still see the difference between

theAnalysis->FillList(mcpiplus,"PionLoosePlus","PidAlgoIdealCharged");

and

theAnalysis->FillList(mcpiplus,"PionTightPlus","PidAlgoIdealCharged");

with trunk revision 21361. I reran all my test simulations with increased statistics over night. Here are the details:

For a simulations of 20k events simulated with the rho tutorial macros I get (in total) 23 piplus and 1 piminus more with "Loose" than with "Tight". The misidentified particles have PdgCode 1000010030 and 1000010020. PID probability arrays are 0.2 0.2 0.2 0.2 0.2 in all cases.

For a simulations of 10k events of psi(4040) to D0 anti-D0 / D+ D- and all D decays allowed I get (in total) 153 piplus and 44 piminus more with "Loose" than with "Tight". All misidentified particles have PdgCode 1000010020 or 1000010030 (except for very few with 1000020040) and PID probability arrays are 0.2 0.2 0.2 0.2 0.2

Can somebody confirm these observations?