Hi,

Unfortunaty i have missed full discussion after i have presented my slides ... In principle what i do i think is
correct, but i simple call it differently. Reading entry of
Klaus i realized, that what i call impurities, he is calling
mis-identification.

Just to be sure I recall what i do. I run simulation for of the
electrons and pions for example and then what i do:

X is some value of the cut on the PID for given particle to be
in this case electron.

electron efficiency:

$ele\_eff = PID_{e} > X / e\_all$

and than to study what i call impurity (but probably should be called mis-identification):

$pi\_imp = PID_{e} > X / pi\_all$

PID_{e} - i call here probablity of being an electron for given particle. In this case for pion.

greetings,
gosia