

News

π^0 efficiency:

- data and MC are ready and ~reduced (still missing part of $D^+ \rightarrow K_S^0 \pi^+$)
- reduction is suboptimal (will talk to Tullio to find a better way to submit jobs)
- bug: I'm not saving track angles. To apply PID corrections to kaons I need theta $\rightarrow$ add it using (px,py,pz), but requires time (doing it now).
- Next steps (today): bkg-subtracted momentum comparison in data and MC, first momentum-integrated fit and π^0 efficiency (w/o PID corrections)
- Next steps (next days): apply PID corrections, divide in momentum bins

$B^0 \rightarrow \pi^0 \pi^0$:

- Benigno implemented a first bin generalisation, but needs to be worked on. Started playing with it.
- Selection optimisation: I'm optimising CS and photon MVA selection on $B^+ \rightarrow K^+ \pi^0$ in data and in MC. If results are the same, we are more confident in using MC to optimise $B^0 \rightarrow \pi^0 \pi^0$ selection.