



first FIRST paper



A. S.

What is still missing before going public?

- We need to understand a bias in the ToF recently spotted btw data and MC
- We need to agree on a global reconstruction strategy to be used for the measurement and keep alternative strategies as means to assess a systematic uncertainty (Vtx charge/ToF charge/mixed rating)
- We need to agree on a strategy to account for the Xfeed and the efficiency evaluation: we know that the current strategy is not optimal since relies on "already known" cross sections (from MC).. we need to understand how to deal with that "properly/safely"
- We need to validate the Xsection measurement on MC: do the full exercise and get back what we generated!

There's anything we can do in the meanwhile?

→ Sure, plenty:

- Prepare all the supporting material for the paper: Vtx performances, Trigger/BM performances, ToF performances, Global reconstruction algorithm, MC tuning.
 - The SC/BM and Vtx detectors have already been published. We need to understand what we need to put and what we just cite....
- We need to decide about kentros: I do not know whether we have any chance to publish anything in this first paper..
- The paper structure was presented years ago [**as well as some indications about who should take care of each part**] :) and the tex is already available under svn (first/paper/trunk) with a template for PMB.
- To compile the tex just use `pdflatex Main.tex` in side the `first/paper/trunk/PMB_paper_12` folder.

Paper Structure

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Thanks to our prime minister....

- We now know that “the difference btw a dream and a plan is a date” [M. Renzi quoting W. Disney]. So here are our dates!
 - End of April:
 - finalize journal choice/ adapt template for tex
 - Detector Content/Figures have to be identified: not paper quality.. just sketch what one wants to show/tell.
 - Mid May:
 - The detector sections have to be written/filled in “final form”.
 - The results part has to be sketched: without containing the final plot we need anyway to build this section with the info we'd like to show
 - End of May: first full draft ready to circulate.
 - Adjustments to final results still possible
 - Mid June: Finalize the first round of corrections.
 - Early July paper is submitted.