KBK paper

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FBK paper

Report from last meeting:

- A. Ficorella (FBK): working on FBK part.
  This section will contain the principal features of the TT SiPMs, some drawings and schematics, a comparison with previous sensors and the way they have been developed to fulfill the DUNE requirements.
  He said that he will work on this part till May 10. After this period if no draft is prepared, we can discuss to remove this part (and as a consequence also FBK author) from the paper.

FBK paper

Report from last meeting:

- F. Di Capua (Naples): working on PDE measurements.
  He wrote an initial draft (already in the paper), now he is working to reproduce the plots with G. Gallina. He foresees a period of 1 month to prepare a ready draft.
  Since FBK can also provide data of the PDE at room temperature at different wavelength, we decided to implement a detailed comparison of PDE at room and LAr temperature.

FBK paper

Report from last meeting:

- Discussion about authorship:
  1) the team leaders of each group involved, received an email by me asking to fill a shared google docs with the info of the people that have to appear as author. Please provide all the info requested so then I can prepare the author list in the paper [if someone not received the mail please contact me].
  2)Apart from people in PDS consortium, external author should appear:
  -some people from FBK;
  -colleagues from TRIUMF that helped Di Capua with PDE measurements.

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Report from last meeting:

- Discussion about comparison of breakdown voltage pre and post thermal cycles. Since old data are hard to find, I propose to use data from 47 boards produced in the end 2021 that have been tested in Ferrara in March 2022. For these arrays I have all the data and the histogram of the difference on the breakdown post and pre thermal cycle calculated for each SiPM is shown in the next slide. From this plot it is clear the SiPM are resilient to thermal cycles since the variation in the Vbd pre and post is peaked at 0 with a sigma of 30mV.

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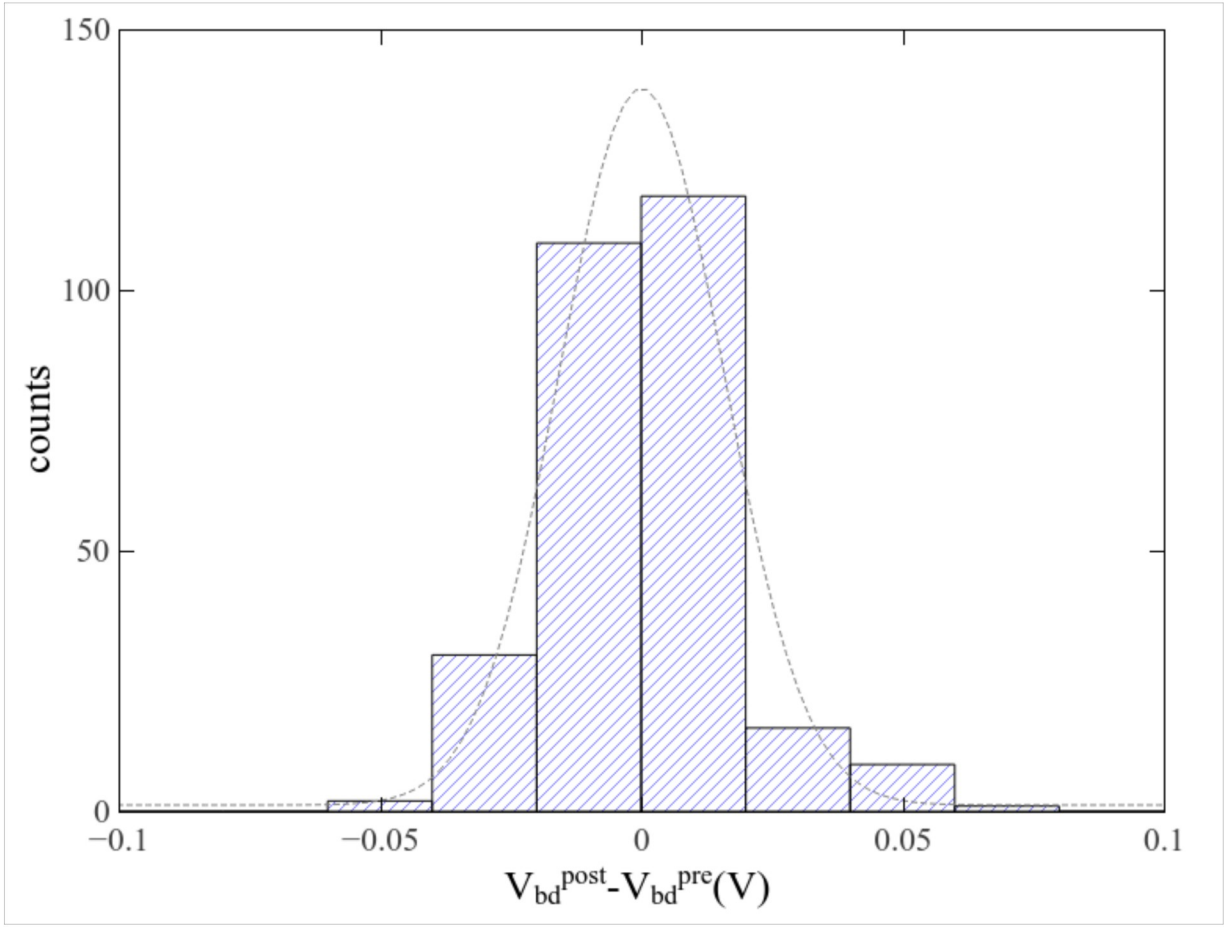

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Report from last meeting:

- Discussion about acknowledgments: some ack has already been placed in the paper but I also asked to each team leader group to fill a document with specific ack (to projects or people).

Conclusions

The work on the paper is ongoing.
I hope we will have a draft ready to circulate for the comments by June.
Thanks to all for the cooperation and the patience!