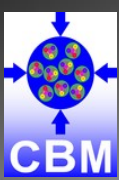
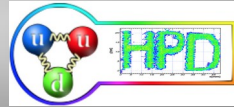


## Status

**TRD-2D weekly meeting**  
**9<sup>th</sup> November 2021**



# TRD-2D ongoing activities



## **mCBM**

- [Claudiu] FEE development, test to the second GBTx at GSI. test communication with SCA (slow control), testing various configurations.
- [Alex] Next *mCBM Meeting* will take place on *Monday, November 22nd*, 09:00 CET.
- [Alex] *mCBM Simulations Group* meeting (biweekly) <https://indico.gsi.de/event/13475/>
  - *“Fix TRD-2D geometry and simulation for mCBM”* [https://git.cbm.gsi.de/computing/cbmroot/-/merge\\_requests/565](https://git.cbm.gsi.de/computing/cbmroot/-/merge_requests/565)
- [Alex] *mCBM Data Analysis Group*

## **TRD-2D prototype construction**

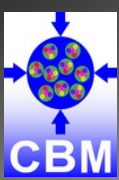
- [Mariana, VDuta] spacer calibration device (pieptene) for 1.5mm has to be produced. A first interaction with Optoelectronica is scheduled 4<sup>th</sup> Nov 2021. Need estimation
- [Mariana, Joerg] Joerg will provide the 3mm device depending on export timing on GSI.
- [Laura] Entrance window construction Vali and Lucica can assemble the window. (1wk)

## **TRD-2D Addendum**

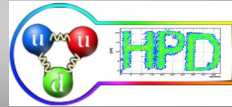
- [Taku, Alex] Taku Gudji will provide (1w) a review summary for the Addendum
- [Alex Sergey] After the implementation of TRD-2D in the reconstruction a physics chain performance has to be elaborated wrt TRD-1D
- [Alex] Impact on the electrons reconstruction
- [Mihai, Alex] CERN-PS participation 2022 for PID performance update.

## **CBM software**

- [Alex] Simulation for the sis100 electron setup. Needed for:
  - Addendum
  - Technical topics (TRD LV CDR, DAQ TDR, Material budget for mechanics, etc.)
- [Alex] Reconstruction. Needed for:
  - Addendum
  - Standard QA, mCBM
  - *“WIP: Reco trd2d”* [https://git.cbm.gsi.de/computing/cbmroot/-/merge\\_requests/520](https://git.cbm.gsi.de/computing/cbmroot/-/merge_requests/520)



# TRD-2D ongoing activities (II)



## ECR : LV and HV (<https://git.cbm.gsi.de/trd/reports/edr-lv-and-hv>)

- [Alex Claudiu] a list of topics have been started on GitLab repository
- [Alex] DC-DC converters for FASP/GETS to be added to the CDR.

## DAQ TDR (<https://git.cbm.gsi.de/doc/tdr-online>)

- [Claudiu] accepted to be the contact person !!!
- [Claudiu, Alex] → Section 3.1.1;
- [Claudiu, Alex] → Section 3.1.2

## Youngsters involvement in the group

- Daniel opted for stand-alone development.
- George opted for stand-alone development.
- Adriana Nan from **Faculty of Electrical Engineering and Computer Science, Brasov** from Prof. Mihai Ivanovici.
  - She passed the tests and now we have to try to fix bureaucratic issues to start working.
  - The proposed topic mCBM/CBM simulations.
- Recruitment is still on going ...