

GEM-TPC Skype meeting  
24.11.2016 10:00 EET

Participants: Francisco Garcia (FG), Andrej Prochazka (AP), Chiara Nociforo, Juha Äystö (left early),  
Tuomas Grahn, Ari Jokinen

FG:

- The MBS system is running at HIP, with access from GSI. DNF (Dual NXYter Frontend) cards are still to be delivered. FG will carry out timing characterisation and tracking studies with the setup.
- The box for the ion-backflow measurements is in preparation. HV resistors are required for that (negotiations with the manufacturer are ongoing).
- New resistors for the PA are required in order to reduce the signal length that would allow more time for baseline restoration. This is crucial at high rates.
- Nick Kurz and Henning Heggen will be visiting HIP at some point to help with the MBS + TAMEX + DNF setup.
- Time information will be extracted from the bottom of the 3<sup>rd</sup> GEM foil, capacitors for this are missing.
- JYFL proposal for the tests with 50 MeV protons and FEE accepted. Optimal time to run this would be August 2017 onwards.
- Three GEM foils from Bernd received. How many more does GSI DL have?
- What are the GSI plans with HGB4-1?
- New GEM foils were prepared. In total 12 spare foils now.

AP:

- Analysis of the summer 2016 GEMEX+ data ongoing. Recently focused on the timing related to GEMEX+.

FG:

- Radiation hard chip is/will be available (CBM development). FG has been in contact with Christian Schmidt. It was decided that it is good to follow this development. Further implementation must be discussed with the GSI groups since they are doing the development work for the GEM-TPC FEE at the moment. If this is the way the GEM-TPC collaboration wants to proceed one needs to produce the adapter card Samtec 300 pins (one connector) to Erni 64 pins (4 connectors).