# Minutes of the meeting 14.05.2014: analysis of time-like form factor measurements at PANDA

[1 ] Presence:

Alaa Dbeyssi, Dmitry Khaneft, Frank Maas, Maria Carmen Mora Espi and Egle Tomasi-Gustafsson.

[2 ] Discussions through the draft version of the paper sent by Egle on 11.05.2014 (pages: 10-20):

- We need to contact Iris Zimmerman and Prof. Concenttina Sfienti for the official references of the MDT and the DIRC sub-detectors.

- Dmitry will update Fig.5 by adding the geometry acceptance of the DIRC, changing the legend of the figure and/or make two dimensional plot with the polar angle of the electron and positron in the CM frame.

- Alaa will update Fig. 6.

- The reconstruction with PANDARoot needs to be described through the paper.

- The convention $c = 1$ for the units of the kinematical variables will not be used.

- The structure of the section 3 need to be revised.

- The two analysis of Dmitry and Alaa will be described separately starting from the zero analysis level (event generator, PID and kinematical cuts, Fit,...).

- Dmitry and Alaa will check the effect of the 4-constraint kinematical fit and the possibility to get the information on the particle 4-momentum directly from the reconstruction without using a mass hypothesis.

- Figs. 8, 9, 19 will be updated by Alaa adding the information from the Monte Carlo truth events. The similar plots for the polar angle and the plot of the multiplicity will be added.

- Figs. 11, 12 and 13 need to be updated with the correct units and explicit legend on the plots.

– Alaa prepares a plot for the DIRC PID and checks the difference of the distribution between the signal and the background.

– The behavior of the PID probability in Figs. 14 and 15 need to be understood.

– Table 3 need to be updated by adding new column described the effect of the individual cuts separately.