

Minutes of the meeting 09.05.2014: analysis of time-like form factor measurements at PANDA

[1] Presence:

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

[2] Comparison of the input models for the Monte Carlo simulation and the data:

- $\bar{p}p \rightarrow e^+e^-$: The different parametrizations for the proton form factors are discussed. Frank showed a new model of form factors for the Time-Like region, published in arXiv (arXiv:1405.1628 [nucl-th]). A section will be added in the paper to discuss the proton form factor model effect (pQCD, VMD, ...). Egle showed the figure for the effective proton form factor with a new fit compatible with the new BaBar data. **The simulation and analysis will be done with the dipole modified parametrization.**
- $\bar{p}p \rightarrow \pi^+\pi^-$: A figure with the available curves from the generator developed by the Mainz group and the existing data on the total and differential cross section, is in preparation.

[3] Egle prepares a very preliminary version for the paper and will send it to the people involved in the analysis.