

MINUTES FROM THE E00-102 MEETING [JLAB 7th DECEMBER 2007]

E00-102 [SECOND PART] - 20th January - 24th January

DETECTORS FOR NEXT EXPERIMENT

- TO-DO → Make a list of detectors during the E00-102[I] experiment (Joaquin with the help of Alexander)
- Detectors for E00-102[II]

Left (electron) arm

- It seems fine with current detectors: S1, Gas Cherenkov short, S2,
- NaI should not be a problem.
- If possible change S2 to S2m, as S2m has better coincidence time. Alexander said maybe it is not easy to change it in the left arm.

Right (proton) arm

- We should add S0
- We should add (if possible) Aerogels A1 or A2 (Guido will check)
- S1, Gas Cherenkov long are fine
- If possible change S2 to S2m, as S2m has better coincidence time.

CALL FOR NEXT EXPERIMENT

- Konrad and Dimitri → About 36 shifts required (3 people each shift for the first 2 days and 2 people for the rest of the days).
- It is not necessary to make a call for the offline analysis.

RUN PLAN FOR NEXT EXPERIMENT

- No calibration runs (we have only few days) → We'll use our database from the previous experiment.
- Raster / No Raster in Carbon for each kinematics.
- We'll do bull-eye scans (low current) with Lead target → Get Raster size. After that, apply to the Carbon target.
- Start with $P_m=100$ MeV/c (To compare with results from the previous experiment), after that go to higher P_m .
- Targets are still under development. We still have to decide whether to use a thick target with low current or a slim target with higher current. Thick target with high current can cause too much radiation...

ANALYSIS PREPARATION NEXT EXPERIMENT

- Prepare analysis for the experiment → include spot information.

ANALYSIS TASKS

ANALYSIS MEETING (HALL A)

- Juan Cornejo will prepare slides with Guido plots for Wednesday 12th.
→ tomorrow at the Counting House.

CURRENT ANALYSIS

- Guido explained the impact of lead in the loss of resolution of Carbon peaks in the Carbon+Lead target compared with the Carbon alone target. The impact can be studied with the melted target, as it had zones with different thickness of lead. He also explained that this kind of effect doesn't have such big impact on the resolution of the lead peaks, as lead weight is much higher than carbon.
- Joaquin showed a couple of slides with a typical to-do list for the analysis for this kind of experiments. They should give an idea of where we are and how many steps we still have to make. These slides can be useful for the analysis meeting.