g2p/gep PSS-MPS Meeting Minutes

Attendees: J.P. Chen, A. Camsonne, D. Williams, R. Lauzé, T. Michalski, K. Mahoney, H. Robinson

The following is a summary of issues discussed during the g2p/gep PSS-MPS Meeting:

- The goal of the meeting is to begin assessing any g2p/gep specific needs for changing or updating the PSS or MPS system components. This is not a onetime meeting, but will be scheduled periodically in order to discuss details as the project progresses.
- JP stated that there will be no huts erected around any of the equipment or target for this experiment.
- Procedures for sweeps will have to be reviewed to take into account the target platform.
- Address masking issue – turn off FSD so as to divert beam into the calorimeter.
- May need to take into account vertical motion on the target.
- Reviewed the current screens for Hall A.
- Left and right ion chambers on the Hall A dump will stay.
- Kelly requested a list of targets.
- There is no need for the EP ion chamber. That piece of equipment will be removed for this experiment.
- Is the sieve box in or out for this experiment? – Alex to check with Ed
- Hydrogen sniffer and UPS – not used
- Septum Magnet – yes, it will be used – needs a setpoint window
- Target Magnet is 5T
- It was asked if we should monitor the current on all 3 chicane magnets; FZ1, FZ2, Target. The FZ magnets' PSs are set in the MCC. The target magnet PC control will be in the counting house along with the septum magnet.
- Ion Chambers – it was discussed in the beamline meeting that JP and Yves would review the beamline path for "what if" scenarios (what if a magnet doesn't do what it is supposed to). When this initial action is complete, we will review with a larger audience.
- The initial run will be a straight line and requires the viewer on the Hall A dump.
- Following runs will have the current reduced – there will be a BeO target in front of the low current dump with a viewer on it all the time.
- Initially, there is no plan for instrumentation on the low current dump. Is it required?
- Need protection on the slow raster, not as much for MPS but for depolarization due to beam concentration.
- Henry asked if there were screens from the SANE experiment that could be used as a starting point for this experiment.
- Need a vacuum input to the FSD.

Actions (to be added to the Tuesday Beamline Meeting Action Items):

1. Get a list of targets to Kelly Mahoney.
2. Define the need and settings for chicane magnet current monitoring.
3. Define if instrumentation is required for the low current dump. If so, what should be monitored?
4. Get SANE target screens to Henry Robertson.