

g2p/GEp Beam Transport Meeting Minutes

Attendees: K. Allada, T. Michalski, P. Kjeldsen, J.P. Chen, H. Smith, R. Lauzé, A. Camsonne, D. Williams, E. Forman

The following is a summary of issues discussed during the g2p/GEp Beam Transport Meeting:

- There is a meeting scheduled for January 4, 2011 to review instrumentation. This is to finalize the BPM strategy and resolve any issues with BCMs and harps.
- Desire a complete g2p experiment Design Review in the late March timeframe.

STATUS:

OPTICS:

- No status update

MAGNETS:

- No status update

BEAM TRANSPORT:

- No status update

RAD CON:

- No status update.

SOFTWARE:

- Nothing new to report.

VACUUM:

- No status update

INSTALLATION:

- No status update

ALIGNMENT:

- No status update

EES – I&C:

- The Calorimeter Chassis has been repaired and is ready for testing/calibration.

EES – OPS:

- Need beamline element drawing and region drawings. When can we get these from the ME Group?

EES – SSG:

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- No status update

TARGET/DUMP DESIGN ACTIVITIES:

- No status update

PHYSICS

- Spectrometer angle – 15 deg opening planned. Lost acceptance, only 12.5 deg due to coils inside target. No change to the experiment.
- Collaboration meeting being set up for the 3rd week of January, 2011.

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Action Items:

Action Item #	Date Added	Action Item	Responsible Individual	Due Date	Date Closed
11	9/28/10	Define the settings for chicane magnet current monitoring.	Y. Roblin	By 3/11	
12	9/28/10	Define if instrumentation is required for the low current dump. If so, what should be monitored?	TBD	TRACK to close	
16	10/5/10	Understand why there is a hole in the center of the rastered beam that comes from the faster raster/slow raster combination. Stated to be a waveform generator issue. Clarify this. If not HW, then probably SW?	C. Cuevas B. Gunning	TBD	
23	11/16/10	Verify polarity switch for FZ magnets. We have one spare in house if needed.	R. Lauzé	12/30/10	
24	11/23/10	Get FZ magnets from Physics Storage	T. Michalski	1/15/11	
26	12/6/10	Need to make sure that helicity signal is distributed to Hall A	D. Williams	TBD	
27	12/6/10	Determine wire size for harps.	D. Williams/O. Garza	TBD	
28	12/6/10	Get Arun Saha involved in BCM electronics and monitoring.	D. Williams/J. Musson	TBD	
29	12/6/10	Set up a topic specific meeting on BPM w/ new electronics – for SW	T. Michalski	TBD	
30	12/6/10	Update analysis/calculations on BPM and new electronics to insure we can meet the requirements.	J. Musson/D. Williams	TBD	

Design Decisions:

Date	Decision Item
8/31/10	The transport line exiting the FZ2 will have no vacuum connection to the target chamber. A beryllium window will terminate that line.
8/31/10	M20 BPM's were decided to be used on the transport line exiting the FZ2.
9/14/10	The Target will only be set at 80° and 90°, not 70°, per Al Gavalya.
9/14/10	The gap between the beam tube end and the target window was discussed. It should be minimized – consider 1 cm as a maximum gap. Re-opened during 9/21/10 meeting – look at using helium bag. Will use helium bag – issue closed.
9/30/10	The requirement for BPM accuracy is 0.1mm – per discussion at BPM requirements meeting and subsequent analysis/e-mail from K. Allada.
/6/10	Use 5.5" M15 antenna style BPMs in articulating arm!
12/6/10	JP committed to a 2 cm raster, if need be, to accommodate threading the beam through the articulating arm.