

g2p/GEp Beam Transport Meeting Minutes

Attendees: T. Michalski, C. Curtis, D. Williams, P. Kjeldsen, JP Chen, A. Camsonne, L. Dillon-Townes, P. Degtiarenko, K. Slifer, J. Heckman, R. Taylor, M. Weihl, M. Ahmad, Z. Chen, S. Wood, Y. Roblin, J. Musson, A. Dela Cruz, C. Michaelides, R. Wright, N. Wilson, K.Allada

The following is a summary of issues outstanding on the g2p beamline that must be finalized prior to the start of physics. Target date for completion is the end of the day on Friday, **2/10/11(?)**.

<u>System</u>	<u>Activity</u>	<u>Status</u>	<u>Owner</u>	<u>Comments</u>
REGION 1				
BCM	Resolve readback issue – 10kHz vs 1MHz	Not Ready	John Musson	Need to be able to read back via EPICS Need to adjust constants, reboot the IOC 2/13 – Need final clarification on completion
Slow Raster	Update FSD so we can leave it unmasked when there is no current so we can't turn it on accidentally	READY	Rich Wright	Per Alexandre – FSD can't be reset when at 0 current 2/13 – Ready per the e-log 1663813 received from Rich.
Calorimeter	Update GUI to use hac_bcm_average or new BCM receiver since MPS BCM is now after the calorimeter	Not Ready		Per Alexandre – both with a selection button would be perfect 2/13 – SW ready, reboot IOC done, GUI update may be required (per Pam).
Vacuum		READY		2/13 – Complete and pumped down to valve after calorimeter.
Alignment		READY		
REGION 2				
Superharp	Design change for harp wire breakage	READY	Butch Dillon-Townes	Using 50 um wire, tested under vacuum, tungsten-iridium
Superharp	Re-fiducialize harp wire to housing	READY	Chris Curtis	Are we going to do this? Is it necessary? Entails removing harps from beamline and taking to vacuum lab.
Superharp	Reinstall superharp on upside down girder	READY	John Heckman	2/13 – Completed on Friday, 2/10.
Superharp	Field Testing HW and SW for Harp Controller	Not Ready	Tony Dela Cruz	Setup trigger from 30 Hz to 60 Hz.

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Superharp	Final Harp System Checkout	Not Ready	Tony Dela Cruz	
Vacuum	Vacuum Checkout/Pump Down	Not Ready	John Heckman	2/13 – Awaiting final mag.meas. on Moller quad.
Alignment	2B Alignment	READY	Chris Curtis	2/13 - Complete
REGION 3				
Chicane	Design, analyze, and procure solution to downstream girder vacuum loading	Not Ready	Butch Dillon-Townes	2/13 – Girders are complete in the machine shop. Awaiting final parts for tying down the arms.
Chicane	Install Viewer Girder “clamping” method	Not Ready	Neil Wilson	2/13 – Awaiting parts
Vacuum	Pump Down Chicane	Not Ready	John Heckman	2/13 – changed pump out location, allowing region 3 to be pumped down on its own without affecting region 2.
Alignment	2B Alignment on All Positions	Not Ready	Chris Curtis	2/13 – Awaiting parts – expect to start this 2/17 or 2/20.
Chicane	All Position Spacers	Not Ready	Butch Dillon-Townes	2/13 – Finalizing drawing.
Chicane	TOSP	Not Ready	Butch Dillon-Townes	2/13 – reviewed at the meeting today. Some minor changes. Awaiting Javier Gomez’s signature (upon review of all Safety Review actions complete).
Superharp	Design change for harp wire breakage	READY	Butch Dillon-Townes	
Superharp	Re-fiducialize harp wire to housing	READY	Chris Curtis	
Superharp	Reinstall superharp on downstream girder	Not Ready	John Heckman	2/13 – Expect to do this 2/14 or 2/15. Need other parts (BPMs/flange) that are still down in the hall; requires RADCON survey.
Superharp	Field Testing HW and SW for Harp Controller	Not Ready	Tony Dela Cruz	
Superharp	Final Harp System Checkout	Not Ready	Tony Dela Cruz	
Viewer Girder	Reassemble	Not Ready	John Heckman	2/13 – Girder is ready in the machine shop.
Viewer Girder	Reinstall	Not Ready	Neil Wilson	2/13 – Expect to be ready for installation on 2/16. Need to redrill holes on aluminum box tubing for mounting (Butch has provided info to Mark Weihl).

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BPM – 4 Ch	Test Receiver	READY	Chris Norris/Keith Cole	
BPM – 4 Ch	Finalize BPM Software / EPICS Screens	Not Ready	Pam Kjeldsen / Brian Bevins	Has the 4 Ch receiver been delivered to SW group? 2/13 – Can read beam position – according to Trent, they are still resolving calibration. Will get update e-mail from Trent.
BPM - SEE	Old BPM Receiver Hardware Removal	READY	Pete Francis	
BPM – 4 Ch	New BPM Receiver Hardware Installation	Not Ready	Keith Cole	2/13 – Awaiting final FW – installation already checked w/ all cables.
BPM – 4 Ch	Field Testing Hardware & Software	Not Ready		
BPM – 4 Ch	BPM data to Hall A DAQ	Not Ready		
BPM – 4 Ch	BPM Final System Checkout	Not Ready		
FZ Magnets	Run full power tests on the FZ magnets	READY	Vick Chen / Simon Wood	2/13 - Complete
HALL A				
MPS	Update FSD Screens	Not Ready	Rich Wright/George Lahti	
MPS	Install Ion Chambers	Not Ready	Tommy Michaelides	2/13 – Still awaiting replacement ion chambers from supplier – missing 2 nd hall target ion chamber and low current dump ion chamber. In the process of developing a backup strategy for the low current dump ion chamber.
MPS	Hot Checkout - No Beam	Not Ready	Rich Wright / Tommy Michaelides	
MPS	Update Gold Masks	Not Ready	Rich Wright / Tommy Michaelides	
MPS	Update MPS Documentation	Not Ready	Rich Wright / Tommy Michaelides	
MPS	Implement all Interlocks	Not Ready	Rich Wright	2/13 – Still a short list of items requiring HCO (e-log 1663813).
CASA	Commissioning Plan	Not Ready	Yves Roblin / Eric Forman	2/13 – Need to validate with Yves.
Physics	Final Run Plan	READY	JP Chen / Karl Slifer	
Physics	Readiness Review	COMPLETE	Tim Michalski et al	Set for 1/17/12 2/13 – All beamline responses submitted, awaiting final acceptance.
Accelerator Operations	Copies of COO, RSAD, ESAD for signoff by Ops	Not Ready	Tim Michalski/JP Chen/Karl Slifer	2/13 – 3 rd arm OSP in process, Chicane OSP awaiting 1 signature, Polarized Target OSP submitted, RSAD draft submitted and should be signed this week.
Accelerator	Updated target list and	Not Ready	JP Chen	2/13 – JP to get final list to Eric Forman.

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Operations	restrictions			
Accelerator Operations	A list of any beamline components NOT controlled or monitored by ops.	READY	Tim Michalski/JP Chen	No change from beamline perspective from December commissioning.
Accelerator Operations	Spokesperson to give a short talk to the operations group meeting.	Not Ready	JP Chen/Karl Slifer	
Accelerator Operations	Arrange to do a tour of the hall so the operations staff could have a look at the changes to the hall prior to the start of beam operations.	Not Ready	Tim Michalski/JP Chen	