

<b>Meeting:</b>	<b>HEBT parallel I and II at 1<sup>st</sup> BINP-FAIR workshop</b>		
<b>Date:</b>	<b>06.11.2018 12:00-16:00</b>	<b>Author: L. Urban</b>	
<b>Participants:</b>	P. Suherman L. Urban A. Krämer M. Schwickert A. Krasnov A. Semenov T. Bedereva S. Glukov I. Morozov V. Vostrikov		
<b>Distribution:</b>	Participants + F. Hagenbuck, B. Merk, D. Urner, S. Uterman, M. Marenich		
<b>Document Number:</b>	F-PR-...to_follow <a href="#">(see work instruction for document identification)</a>		

A: Action, D: Decision, I: Information		Who	Due Date
<b>1. HEBT parallel I (Batches 1 results)</b>			
I	<p>The results of vacuum acceptance test of chambers from Batch 1 were presented. The chambers from the second delivery have a better 'outer appearance' (i.e. no sign of rust and cleaner). The RGA from some chambers (mainly the MH055 series), still showed a trace of hydrocarbon that are above the requirement threshold.</p> <p>All the chambers will be re-cleaned at GSI and will be mounted in the magnets soon after the cleaning. The SATab is still ongoing and the reports will be uploaded in EDMS.</p> <p>There should not be any re-work at GSI for Batch 2/3 and Batch 4.</p>	P.Suherman	04. 11. 2018
A	Information about the ultrasonic cleaning facility at GSI will be send to BINP – as requested by A. Krasnov.	L. Urban	23. 11. 2018
A	Presentation about the results of vacuum acceptance test of chambers from Batch 1 will be send in BINP	P. Suherman	23. 11. 2018
A	In the future, the inspection report for the FAT should have the information of CID of the chamber and the mechanical drawing of the corresponding chamber in a 'readable' size/file.	BINP	n/a
A	BINP agrees to improve the acceptance test procedure in the future (for Batch 2/3 and 4), i.e. consistent pump down time, possibility of recording the test data during measurement, and improving the cleaning and handling processes.	BINP	n/a

A: Action, D: Decision, I: Information		Who	Due Date
<b>2. HEBT parallel II (Batch 2/3 magnet chambers)</b>			
I	The types and the quantity of chambers were presented to BINP.	L. Urban	04. 11. 2018
A	BINP needs a list with cost and delivery dates for each type of chamber including the chambers that have not been assigned to BINP.	L. Urban	16. 11. 2018
A	BINP should tell GSI what type of tubes they would like to use (with the size and tolerances according to the corresponding norm). With this information GSI can check if these can be accepted or not. Note from BINP that the CDR for all types needs approximately one year.	A. Krasnov	23. 11. 2018
A	Need more discussion on chamber for quad12	BINP/GSI	n/a
A	The milestones for the chambers in Batch 2/3 should be synchronized with the milestones for magnets.	BINP/GSI	n/a
A	BINP asks to send the presentation for Batch 2&3 chambers.	L. Urban	23. 11. 2018
<b>3. HEBT parallel II (Batch 4 chambers)</b>			
I	The types and the quantity of pumping chambers, roughing chambers, straight tubes and bellows were presented to BINP.	L. Urban	04. 11. 2018
A	BINP needs a list with cost and delivery dates for each type of chamber including the chambers that have not been assigned to BINP. The types and prices for the stands are needed as well.	L. Urban	16. 11. 2018
A	BINP would like to have a more detailed information of bellows (types, quantity), because BINP might order the batch of bellows together for CR.	L. Urban	23. 11. 2018
A	GSI will give a detailed information on X-cross chamber	L. Urban	23. 11. 2018
A	BINP has to inform GSI/FAIR as early as possible if BINP would like to produce chambers for the Forgotten Beam Line, to enable enough time for GSI/FAIR to prepare a tender - if required.	BINP	06. 12. 2018
A	BINP asks to send the presentation for Batch 4 chambers	L. Urban	23. 11. 2018

#### 4. Update on Beam instrumentation (HEBT, pBar Separator, SFRS)

I	GSI proposed to start a new collaboration for the production of 6 chambers for Beam Profile Monitors by BINP. These chambers have similar design as for CR. For 3 chambers pick-ups with elliptical cross-section are required (100% identical to the CR layout) and for the 3 remaining chambers a design of round pick-ups (400 mm diameter) is required. The chambers would need to have DN400CF flanges.	M. Schwickert	04. 11. 2018
A	In addition, GSI requested if the production and delivery of 4 scintillating screen setups (vacuum chamber, detector, pneumatic drive) identical to the CR design could be performed by BINP.	BINP	23. 11. 2018
A	BINP will inform GSI if BINP is willing to start collaboration on these subjects.	BINP	n/a
A	Depending on the decision from BINP, GSI could also make this collaboration as a special/dedicated Collaboration Contract, not as an In-Kind.	BINP/GSI	n/a