GSI – Protocol	**Nr.: 20190507, 14:00 – 15:30**
Machine Meeting (MM)	**Chair:** M. Bai
Distribution	Machine coordinators and their deputies, departments leaders accelerator, participants, Management board
Participants	S. Reimann, D. Severin, U. Weinrich, R. Hollinger, M. Steck, F. Herfurth, P. Gerhard, G. Schreiber, M: Schwickert, L. Groening

Important: **I = Information** **D = Decision** **AI = Action Item**	**Confidentiality Notice** **It is requested not to scatter the protocols over the predetermined distribution circle or leave them on the publicly available printers.**

1	**Agenda**	
	1) Approval of meeting minutes 2) status update 3) other topics	
2	**Update**	
	Physics programs: • Sebastian Räder from SHP is now appointed to be the contact of UNILAC experimental Hall. Nevertheless, this is not yet reflected in the online list https://www.gsi.de/fileadmin/Beauftragte/HK_20170804.pdf • Mei initiated the discussion on accommodating 5 days Oxygen data taking run for R3B during the Engineering run. Daniel will double check with Paolo to see whether R3B needs for data taking or just experimental condition setup **Ion Sources status report:** **https://indico.gsi.de/event/8829/contribution/0** Business as usual with end of beam time. Continue the development of 2.7Hz. Continue collaboration with IAP including simulations **SIS18 status report: Absence** **UNILAC status report:** https://indico.gsi.de/event/8850/contribution/5 • **UNILAC operation:** A4 operation with risk of severe damage, organizational measures have been taken, data supply repaired; safety measures take more time ⇒ Mitigation has been tested successfully ! • **HSI RFQ:** Disassembling of RFQ has been started, area prepared Planning of commissioning in preparation FOS dummy copper plating meeting on May 16	D. Severin R. Hollinger P. Gerhard G. Schreiber

	ER1 repair is on track. HV cable installation started. Plan to have it available for beam time 2020 **HEST status report: Absence** **FRS status report: Absence** **ESR status report:** **https://indico.gsi.de/event/8829/contribution/4/material/slides/0.pdf** • shutdown work on Northern arc expected to start this week • report on barrier bucket experiment in discussion with RRF • analysis of recommissioning measurements ongoing **CRYRING@ESR status report:** **https://indico.gsi.de/event/8850/contribution/10** -stable operation of ion source (Mg+), ring, beam instrumentation -electron cooler barely available - filling with LHe does not work properly - June run about to be cancelled due to no vacuum controls resources for establishing proper vacuum preparations for CRYRING extraction system that is critical for the proved experiment of extracted beam for material science research **CW-LINAC demo**: - set up of new test bunker starts this week (2 weeks) - Upgrade of access to the test area starts at May, 18th. - Installation of Water, RF and power supply after installation of the bunker - Preparation of bunker walls, etc. - Set up of beam line - Set up of control room, rf-room, rf-Lab, etc. when all access doors are lock-able - Start of procurement procedure for solenoids and rf-amplifiers - Design of rebuncher confirmed => procurement procedure of ultrapure niobium will start asap - New antenna prepared for CH1 - Cold league at CH2? – to be investigated and tiden before RF-testing - RF power coupler test at test cryostat **COMM systems:** **ACO:** **BI:**	M. Steck F. Herfurth W. Barth M. Schwickert
3	**Discussion**	**All**
	Mei shared the presentation on GSI Technical capabilities. This will be first shown to the upcoming MAC. During this discussion, Daniel pointed out the intensity of Ti and Ca beam was significantly lower than what was achieved in the past. During the discussion on the 5-day Oxygen data taking in Engineering run, Ralph Hollinger mentioned that the Oxygen and Uranium come from the same Terminal and beam time for O and for U has to be arranged sequentially. Since conditioning HSI RFQ will take some time, it is likely that we won't run U beam at the beginning of the Engineering run. Details have to	

	be worked out while Engineering planning. S. Reimann will work with MKs to develop the plan	
4	**Open Action items**	
	• Risk registration list: for each item, the MKS are asked to provide the following information: ○ technical name of the system or component ○ probability of the failure and its impact including duration of loss of operation as well as financial loss if applicable ○ counter measure including involved budget if possible S. Wielsch list is available at https://indico.gsi.de/event/8626/contribution/0 • **Status: inputs from UNILAC and OPE**	All MKs
	• Beam parameters of GSI Accelerator facilities	L. Groening
	• Installation of cryo interface that will block the use of HLI should be planned to avoid in Nov. to avoid impact on the Engineering run plan	W. Barth
	• Invite the spill cavity expert P. Husmann to give a brief report on the commissioning plan of the spill cavity	J. Stadlmann
	• Confirm the presentation by R. Steinhagen and R. Bär on the topic of Analog signal digitization of GSI facilities project status, May 28, 2019 (TBC)	RB/RS
	• **new: communication of updated overview list of ACC activities to machine coordinators and other colleagues** ○ this will be upgraded to the latest technique of sharing files safely as soon as GSI IT allows. R. Bär will keep us informed.	All MKs
	• ~~Technical limitation of GSI existing facilities~~ Done, and thanks!	All MKs
	Any other business	
	• Next Machine Meeting: May 14, 2019. status update, 14:00—15:30 ○ Approval of meeting minutes: 5mins ○ Follow-up of action items: 15mins ○ Status update ▪ Engineering run planning: SR ▪ HSI RFQ x-ray test results: PG	