GSI – Protocol	**Nr.: 20190108, 14:00 – 15:10**
Machine Meeting (MM)	**Chair:** M. Bai
Distribution	Machine coordinators and their deputies, departments leaders accelerator, participants, Management board
Participants	F. Heymach, M. Maier, L. Groening, G. Schreiber, B. Schlitt, D. Severin, M. Steck, F. Herfurth, C. Dimopoulou, P. Spiller, J. Stadlmann, U. Weinrich

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**	
	-- Approval of meeting minutes Shared files on seafile: 5mins, M. Bai https://sf.gsi.de/d/26ea0fb93ce6412fbc8d/ for the ACC AIP activities and https://sf.gsi.de/d/bbca2319ad7c4814b668/ for the significant 2019 shutdown activities, **-- Status update from all MKs** a) SIS18 main magnet power convertor for long spill at highest rigidity: K. Trumm/J. Stadlmann b) LINAC RF status w.r.t. the air ventilation and roof protection against rain: G. Schreiber c) physics run plan update: D. Severin d) others **-- Open Action Items**: all	
2	**Update**	
	Operations: absence	
	Physics programs: beam time plan for Physics program is distributed, and can be found at https://indico.gsi.de/event/8252/contribution/11. The second file has extra information for the Ion source. confirmed with IQ that the required Sn, Ag and C at the beginning will be available	D. Severin
	Ion Sources status report: ready for beam time	D. Serverin/F. Heymach
	SIS18 status report: https://indico.gsi.de/event/8252/contribution/3 Power convertor is now reconfigured in the SIS18 modus for accommodating longer than 10 sec cycles (aka DC mode). This limits the top ramp rate to 4T/s. Sufficient for FAIR phase 0. For FAIR booster mode, SIS12 modus for 10T/s is required. From operation point of view, MMTI is not yet ready	P. Spiller
	UNILAC status report: https://indico.gsi.de/event/8252/contribution/2 Major issue is the water leak at the joint of TU and EH. Mrs. Heise and Mr. Reckziegel of GA Bau are informed and are working on a	M. Maier

	workable but rapid solution. **HEST status report:** https://indico.gsi.de/event/8252/contribution/7 Other than preparation for physics beam time, installing the CUPID for better beam diagnostics, as well as detail data analysis of the latest Engineering run. Will share the analysis at the Operations beam physics and technology salon (To-be-scheduled) **FRS status report:** absence **ESR status report:** While stored and cooled beam was achieved in synchrotron mode, the parallel operation of ESR, i.e. ESR may request different beam(ion species or parameters) while SIS18 serves its users, has not yet been demonstrated. It was speculated that it is possible for ESR to request the same beam as SIS18's request. This shall be further clarified for the upcoming ESR beam commissioning with synchrotron mode during the Physics beam time. **CRYRING@ESR status report:** as usual, no major issues **CW-LINAC demo:** absence **COMM systems:** absence	M. Sapinski
3	**Discussion**	**all**
	Atomic physics community decided to postpone the experiment that requires repaired drift tube of the electron-cooler@ESR beyond the 2020 physics program Details of the latest beam study requests were discussed. the original list can be found at http://indico.gsi.de/event/8233/contribution/0. In short, main study items ie. spill quality studies and SIS18 H=2 cavity fine tuning, are highly interesting for the FAIR phase 0 while the preparations (Accelerator Optimization, Mirko based SIS18 injection matching) including necessary beam instrumentations are the same needed for the subsequent experiment. Hence, the main study items (roughly a total of 3-4 shifts) can be accommodated during the machine setup time prior to the first SIS18 Physics experiment (BIO). Details should be worked out together with the operations crew (SR) as part of the machine setup detailed planning. The impact and details on the HEST beam instrumentation studies will be further clarified together with BI experts and HEST MK.	DS, MS, CD P. Spiller, J. Stadlmann, M. Bai
4	**Decisions**	
	Machine meeting on Jan 22, 2019 is cancelled, as the following day is the start of the Beam time retreat 2019	
5	**Open Action items (existing ones not discussed in the meeting)**	
	• develop then commissioning plan of the SIS18 spill structure cavity. Expect report at the Nov. 6 machine meeting • *meeting with HADES team on 12th of December to decide on HADES user schedule in user beam time 2019* *done*, but no report yet	J. Stadlmann P. Husmann, Spill quality experts D. Severin

	• **new: communication of updated overview list of ACC activities to machine coordinators and other colleagues**
	  ○ for now, the files are shared via seafile.gsi.de. Invitations are sent via seafile. The links are https://sf.gsi.de/d/26ea0fb93ce6412fbc8d/ for the ACC AIP activities and https://sf.gsi.de/d/bbca2319ad7c4814b668/ for the significant 2019 shutdown activities
	  ○ this will be upgraded to the latest technique of sharing files safely as soon as GSI IT allows. R. Bär will keep us informed.
	• **new: submit all the items that requires significant support of vacuum group during the 2019 summer shutdown period. Impact/benefits of each request along with required FTE should also be provided for planning**
	  ○ *update HEST input from MS (before Xmas)*
	• **update priority list for shutdown with the e-cooler@esr, i.e. postpone beyond 2020, and remove it from the AIP list**
		All MKs
		
		F.Herfurth
		J.Stadlmann
		M.Steck
		M. Sapinski
		M.Bai
		
		M.Bai

	Any other business	

	• Next Machine Meeting: Jan. 15, 2019. Tentative agenda https://indico.gsi.de/event/8345/overview
	  ○ Approval of meeting minutes: 5mins
	  ○ Status report: 40mins
	  ▪ SIS18 fast ramp and DC mode: K.Trumm/P. Spiller
	  ▪ machine setup planning: SR and MKs
	  ▪ others
	  ○ open action items follow-up: 10mins	