Sept. 24, 2019

Tuesday, September 24, 2019 1:31 PM

GSI – Protocol		**Nr.: 20190924, 14:00 – 16:00**
Machine Meeting (MM)		**Chair:** M. Bai
Distribution	Machine coordinators and their deputies, departments leaders accelerator, participants, Management board	
Participants	Y. Litvinov	
	Attendees	

☑ Stephan Reimann	☑ Markus Vossberg
☑ Ralph Hollinger	☐ Klaus Tinschert ☐ Fabio Maimone
☐ Lars Groening	☐ Sascha Mickat ☑ M. Kaiser
☐ Gerald Schreiber	☑ Bernhard Schlitt ☐ A Schnase
☐ Markus Steck	☑ Danyal Winters ☐ Sergey Litvinov
☑ Frank Herfurth	☐ Zoran Andelkovic
☐ Christina Dimopoulou	☐ Jon Roßbach ☐ Regina Heß
☐ Winfried Barth	☐ S. Yaramychev ☑ Hartmut Vormann
☑ Gertrud Walter	☐ Kalliopi Dermati ☐ Markus Romig ☐ Stephan Teich
☑ Udo Weinrich	
☑ D. Serverin	
☑ M. Sapinski	☑ C. Hessler
☑ Peter Spiller	☑ Jens Stadlmann
☑ Markus Schwickert	

*Types: A = Action, D = Decision, I = Information

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) Follow-up of action items 3) Status update			
2	**Update**			
	Follow-up: see in the Open Action section **ACTION:** Torsten shares the message from TGF after his meeting on Sept. 13, 2019 The topic of safety responsibility was briefly discussed. For the electrical hazard items that are cared by VEFK, there have been a few actions taken by Herr Becker, ie. 1) inspection for IQs arranged 2) plan organized by Herr Becker and Herr Heymach to find the pragmatic solution for upcoming beam time from.		SISt	**Done**
	For non-electrical items which inspections have been arranged by colleagues in SISt, there has no further update yet on, ie 1) how many items are currently with invalid inspection and their impact to beam time 2) what the plan for catching up this gap. **ACTION:** Remind T. Radon his action (see the above) Response from T. Radon can be found at https://indico.gsi.de/event/9436/contribution/1/material/slides/0.pdf		Mei	**Done**
	LA16 Readiness for beam time: Humidity was good last week. Tests not yet finished. Carrying out tests in parallel with LINAC RF operation, such as measuring air flow at all power amplifiers. Conditioning HSI RFQ started this Monday. More to come.		Bernhard	
	UNILAC status update: https://indico.gsi.de/event/9436/contribution/7/material/slides/0.pptx HSI RFQ conditioning started. LEBT QQ tests w.r.t to various of operational modes carried out and communicated. Water leak at A3 provisionary repairs were done. Mild compromise of beam performance from UNILAC is expected. Details are in the report		H. Vormann	
	Ion source:https://indico.gsi.de/event/9436/contribution/5/material/slides/0.pptx U5+ test is in preparation. Will start as soon as the safety inspection is done (Terminal North)		Ralph	

	ACTION: dedicated discussion among UNILAC and IQS experts Update from SR: 1) for proton operation, will start with H2+ at the beginning of beam time. The test of proton will be at the end after the intensity campaign of Uranium. 3 days upto 7days are forseen needed by the LINAC RF to adjust UNILAC settings for A/Z=1 operation. Au in parallel: will provide but with limited power, ie 25Hz 3ms instead of 50Hz 5ms		SR
	Klaus also reported the water was found in the N2 supply line (venting system BH1) **ACTION:** Contact M. Bevcic to identify the impact and notify all groups including experimental areas who might be affected Feedback from M. Bevcic: the water contamination was localized. Mitigated.		Stephan
	FRS: https://indico.gsi.de/event/9436/contribution/3 No major issues. Dryruns ongoing		Emma
	ESR: https://indico.gsi.de/event/9436/contribution/9 No major activities from the ESR group due to conference. ACO dryrun started today. Small leakage at SIS18. Expect excercise of AP with new control at the end of the dryrun, ie end of this week. Parallel mode seems work well during dryrun. **Action:** Make beam pattern for beam stacking available.		DW, SR
	CRYRING:https://indico.gsi.de/event/9436/contribution/0/material/slides/0.pptx No major issues. Actions for DGVU inspection has been planned.		F. Herfurth
	HEST: miniCBM instrumentation final work ongoing, ready by end oct, efforts are from BEA increase aperture for HADES run, need TRI to install the parts, could be delayed due to availability of TRI		Mariusz
	Operation(OPE): http://indico.gsi.de/event/9436/contribution/13/material/slides/0.pptx The latest survey results were uploaded at http://indico.gsi.de/event/9436/contribution/12/material/0/0.pdf. In short, the relative move since last survey, beginning of 2019 and 2018, seems to converge. Will be some re-alignment in SIS18 before the engineering gets started		Stephan
	SR brought up the topic of further improvement of Communication between OCM-Shutdown coordination and separate SIS18 shutdown planning. This was triggered by the unexpected shutdown activities discussion during the OCM meeting about two weeks ago. Mei Bai re-iterated the importance of respecting priority w.r.t. available resources and most urgent for achieving beam time goal		
	Shutdown for beam time 2021 was brought up. Details see in the Discussion section below.		
	TransFAIR workshop https://fz-juelich.sciebo.de/s/EdNgPRC0GBaeQ1p (Workshop4FAIR) This is reminded, per request of Frank Becker		P. Spiller
	Action: Clarify the problem with transformer which serves the SIS18 quadrupole power converter, and what's the impact to upcoming beam time Herr Spiller said this is due to the aging issue.		D. Ondreka
	Fallback solution: if this fails, operate both families with on power convertor. Limitations are: fast (FAIR type) ramp rate, highest rigidity proton for slow extraction. A total of four transformers all about 30 years old. One out of 4 recently showed problem.		
3	**Discussion**		**All**
	Shutdown for beam time 2021: Giving the tight of resources and long list of activities for GSI and FAIR, Mei would like to start the process of shutdown planning asap. For this, it is important to know the physics requests of 2021 program. According to DS and YL, at the moment call for proposal is planned to go out spring of 2020, This means the results from G-PAC will be available no earlier before Sept. 2020. Nevertheless, general understanding of potential upcoming Physics requests are: 1) proton beams (high energy, high intensity), 2) heavy ion beams, Uranium, Bi, 3) experiments at ESR that require functional ESR e-cooler drift tube. The repair takes estimated about 9 month 4) WASA at FRS This should also be planned w.r.t. FAIR activities and campus developments		
4	**Open Action items**		
	• Achieved Beam parameters of GSI Accelerator facilities ○ pending on the feedback from MKs ▪ responded MKs: M.Steck		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. Hülsmann to give a brief report on the commissioning plan of the spill cavity		J. Stadlmann
	Any other business		
	• Next Machine Meeting: Oct. 1, 2019. status update, 14:00—15:30 ○ Approval of meeting minutes ○ Follow-up of action items ○ Status upate		