

 GSI – Protocol	Nr.: 20190827, 14:00 – 16:30
Machine Meeting (MM)	Chair: M. Bai
Distribution	Machine coordinators and their deputies, departments leaders accelerator, participants, Management board
Participants	S. Litvinov, Y. Litvinov, R. Hollinger, A. Adonin, Z. Anelkovic, H. Vormann, J. Stadlmann, U. Weinrich, W. Barth, S. Reimann, L. Groening, G. Schreiber, Dieter Lens, T. Stoehlker, M. Schwickert, D. Severin, P. Spiller, G. Franchetti, M. Steck, A. Hoefftiger, E. Hättner

Important: I = Information D = Decision AI = Action Item	<p style="color: red; text-align: center;"><u>Confidentiality Notice</u></p> <p style="color: red; text-align: center;">It is requested not to scatter the protocols over the predetermined distribution circle or leave them on the publicly available printers.</p>
1	Agenda
	1) Approval of meeting minutes 2) Follow-up of action items 3) Special discussion: GSI beam study proposal review: All MKs and Observers (invited)
2	Update
	<p>Follow-up: see in the Open Action section</p> <p>GSI ACC beam parameter status http://indico.gsi.de/event/9282/contribution/1/material/slides/2.xlsx Miriam from OPE took the effort to extract from the Olog all recorded beam intensity of various ions during the past 3 years' beam time. The table is now with Lars. And, Jens also asked Peter to forward Lars the excel sheet of SIS18 data to Lars. Action: Peter Spiller forward the SIS18 data spreadsheet to Lars</p> <p>LA16 Readiness for beamtime: To the best of the knowledge, the LA 16 work progress as planned, ie. to be ready for commissioning by end of August. For more details, please see the August 20 meeting minute at https://indico.gsi.de/event/9297/material/slides/</p> <p>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. The</p> <p>Action: Based on the discussion with Herr Blaurock, S. Reimann prepared the beam time plan for 2020 https://indico.gsi.de/event/9306/contribution/11/material/poster/0.xlsx</p> <p>Operations (OPE):</p>
	<p>L. Groening All MKs</p> <p>P, Spiller</p> <p>S. Reimann</p>

	<p>The latest engineering run plan based on the updated LA16 status is available at https://indico.gsi.de/event/9306/contribution/11/material/poster/0.xlsx</p>	
3	Discussion	All
	<p>All submitted beam study proposals are available at https://www.gsi.de/work/beschleunigerbetrieb/dokumente/gsi_beam_experiment_machine_development.htm. Peter Spiller also provided the overall view of SIS18 related studies https://indico.gsi.de/event/9306/contribution/4/material/slides/1.docx.</p> <p>All proposals were discussed. The ones that are part of machine commissioning and setup are identified. All proposals were assigned a rate to show the impacts to the immediate beam time including upcoming physics run, mid term including overall GSI accelerator chain development for FAIR and long term of FAIR operation.</p> <p>The topic of high intensity of GSI facility w.r.t. FAIR design parameter was brought up. It is proposed to start the integrated planning of intensity campaign at the end of next physics run</p> <p>The topic of technical readiness of FAIR Booster Mode, i.e. 2.7 Hz cycling rate of GSI accelerator chain from Ion source and UNILAC to SIS18 was brought up.</p> <p>Action: Ask the relevant technical experts (P. Kinberg and R. Baer) to clarify the feasibility and its readiness for this coming engineering run at the MM.</p> <p>Action: Integrate the reviewed beam studies with the Engineering run plan</p> <p>Action: Clarify the criticality of the proposal on commissioning FRS LSA</p>	<p>Mei</p> <p>S. Reimann</p> <p>E. Hättner</p>
4	Open Action items	
	<ul style="list-style-type: none"> • Achieved Beam parameters of GSI Accelerator facilities <ul style="list-style-type: none"> ○ pending on the feedback from MKs <ul style="list-style-type: none"> ▪ responded MKs: M.Steck • 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 • Risk registration list: for each item, the MKS are asked to provide the following information: <ul style="list-style-type: none"> ○ 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 <p>S. Wielsch list is available at https://indico.gsi.de/event/8626/contribution/0</p> <p>All lists are delivered to SW.</p> 	<p>L. Groening</p> <p>W. Barth</p> <p>All MKs</p> <p>Done</p>

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	<ul style="list-style-type: none"> • 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	
	<ul style="list-style-type: none"> • <u>Next Machine Meeting:</u> August 27, 2019. status update, 14:00—15:30 <ul style="list-style-type: none"> ○ Approval of meeting minutes ○ Follow-up of action items ○ Status upate 	