

 – Protocol		Nr.: 19. Nov 2019, 14:00 – 16:00																																														
Machine Meeting (MM)	https://indico.gsi.de/event/9688/overview	Chair: M. Bai																																														
Distribution	Machine coordinators and their deputies, departments leaders accelerator, participants, Management board																																															
Participants	Attendees																																															
Hanno Huether Natalya Winters Mr. Reckziegel Peter Gerhard Yvonne Leifels Michael Lestinsky Ralph Bär Karlheinz Trumm Frau Vincelli K.Schweiz Stephan Menke Mario Bevcic Andreas Krämer	<table border="1" data-bbox="501 483 952 1124"> <tr> <td><input checked="" type="checkbox"/> Stephan Reimann</td> <td><input type="checkbox"/> Markus Vossberg</td> </tr> <tr> <td><input type="checkbox"/> Ralph Hollinger</td> <td><input type="checkbox"/> Klaus Tinschert</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Fabio Maimone</td> </tr> <tr> <td><input checked="" type="checkbox"/> Lars Groening</td> <td><input type="checkbox"/> Sascha Mickat</td> </tr> <tr> <td></td> <td><input type="checkbox"/> M. Kaiser</td> </tr> <tr> <td><input type="checkbox"/> Gerald Schreiber</td> <td><input checked="" type="checkbox"/> Bernhard Schlitt</td> </tr> <tr> <td></td> <td><input type="checkbox"/> A. Schnase</td> </tr> <tr> <td><input checked="" type="checkbox"/> Markus Steck</td> <td><input type="checkbox"/> Danyal Winters</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Sergey Litvinov</td> </tr> <tr> <td><input type="checkbox"/> Frank Herfurth</td> <td><input type="checkbox"/> Zoran Anđelković</td> </tr> <tr> <td><input type="checkbox"/> Christina Dimopoulou</td> <td><input type="checkbox"/> Jon Roßbach</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Regina Heß</td> </tr> <tr> <td><input checked="" type="checkbox"/> Winfried Barth</td> <td><input type="checkbox"/> S. Yaramychev</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> Hartmut Vormann</td> </tr> <tr> <td><input type="checkbox"/> Gertrud Walter</td> <td><input type="checkbox"/> Kalliopi Dermati</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Markus Romig</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Stephan Teich</td> </tr> <tr> <td><input checked="" type="checkbox"/> Udo Weinrich</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> D. Severin</td> <td></td> </tr> <tr> <td><input type="checkbox"/> M. Sapinski</td> <td><input checked="" type="checkbox"/> C. Hessler</td> </tr> <tr> <td><input type="checkbox"/> Peter Spiller</td> <td><input checked="" type="checkbox"/> Jens Stadlmann</td> </tr> <tr> <td><input checked="" type="checkbox"/> Markus Schwickert</td> <td>Emma Haettner</td> </tr> <tr> <td>Thomas Stöhlker</td> <td>Yuri Litvinov</td> </tr> </table> <p style="text-align: right;">*Types: A = Action, D = Decision, I = Information</p>	<input checked="" type="checkbox"/> Stephan Reimann	<input type="checkbox"/> Markus Vossberg	<input type="checkbox"/> Ralph Hollinger	<input type="checkbox"/> Klaus Tinschert		<input type="checkbox"/> Fabio Maimone	<input checked="" type="checkbox"/> Lars Groening	<input type="checkbox"/> Sascha Mickat		<input type="checkbox"/> M. Kaiser	<input type="checkbox"/> Gerald Schreiber	<input checked="" type="checkbox"/> Bernhard Schlitt		<input type="checkbox"/> A. Schnase	<input checked="" type="checkbox"/> Markus Steck	<input type="checkbox"/> Danyal Winters		<input type="checkbox"/> Sergey Litvinov	<input type="checkbox"/> Frank Herfurth	<input type="checkbox"/> Zoran Anđelković	<input type="checkbox"/> Christina Dimopoulou	<input type="checkbox"/> Jon Roßbach		<input type="checkbox"/> Regina Heß	<input checked="" type="checkbox"/> Winfried Barth	<input type="checkbox"/> S. Yaramychev		<input checked="" type="checkbox"/> Hartmut Vormann	<input type="checkbox"/> Gertrud Walter	<input type="checkbox"/> Kalliopi Dermati		<input type="checkbox"/> Markus Romig		<input type="checkbox"/> Stephan Teich	<input checked="" type="checkbox"/> Udo Weinrich		<input checked="" type="checkbox"/> D. Severin		<input type="checkbox"/> M. Sapinski	<input checked="" type="checkbox"/> C. Hessler	<input type="checkbox"/> Peter Spiller	<input checked="" type="checkbox"/> Jens Stadlmann	<input checked="" type="checkbox"/> Markus Schwickert	Emma Haettner	Thomas Stöhlker	Yuri Litvinov	
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Important: I = Information D = Decision AI = Action Item			
1	Agenda		
	Shutdown 2020 Planning discussion		
2	Update		
	Protocoll of last meeting: no comment		
	Shutdown 2020 Request Priority List_ Version 01: https://indico.gsi.de/event/9688/contribution/8/material/0/0.xlsx		
3	Discussion	All	
	<ul style="list-style-type: none"> • The priority meaning and how daily coordination should function were discussed. And majority agreed with the following <ul style="list-style-type: none"> • Priority is based on the Impact to 1) beam time and ist users (FAIR phase 0), 2) FAIR commissioning and 3) FAIR Operation. Priority 1: Must-do, Priority 0: do-not. Priority 2-4 are request shall be decided based on technical readiness and resource availabilities <ul style="list-style-type: none"> ◦ all routine maintenances that are required for basic operation without no major performance improvement are Priority 1 ◦ request that is required for upcoming beam time is Priority 1 ◦ request for FAIR implementation is also Priority 1, if postpone to later shutdown period causes significant set-back of its milestones • the planning of the shutdown work should start with the Priority 1 requests • The non Priority-1 request is only scheduled when its technical readiness is confirmed and the required resources are not in conflict with the resources needed for the Priority-1 activities • Frank Herfurth also expressed the wish to operate CRYRING as stand-alone during the shutdown 2020 for users <ul style="list-style-type: none"> • 2 G-PAC granted proposals. Both are ranked as A, according to Daniel • 2 weeks user time + 2 weeks of setup time: • ACO 2020 shutdown plan: R. Bär <ul style="list-style-type: none"> • no plan to introduce new features. Nevertheless, plan to focus on consolidating and cleaning. This means there will be substantial updates of softwares at all levels, which require substantial dry run and test periods prior to beam time • Action: ACO is asked to provide concret list of controls updates they would like to implement during the 2020 shutdown, along with to be shared with all parties <ul style="list-style-type: none"> ◦ end of 2019 • OPE brought up the topic of TVS, which is still under windows 95, as high risk for beam time <ul style="list-style-type: none"> • The TVS has been managed by SISst and the responsible person is Dr. Radon, the head of SISst. 		

	<ul style="list-style-type: none"> Ralph Bär and Stefan Menke stated that ACO is not responsible for the TVS Action: Clarify with Dr. Radon (Mei) Hartmut brought up a list of shutdown request for UNILAC: <ul style="list-style-type: none"> set of must-do (Priority 1) items for upcoming beam time ranging from vacuum maintenance(pump, oil exchange, etc), MAPS installation, repair/exchange of the damaged DRs in A3 and A1, etc. installation of BB3 and BB4 was also proposed Other items proposed <ul style="list-style-type: none"> exchange of ROSI cable: general interest, not operation nor project critical replace current LEBT QQ with the original LEBT QQ in case of significant limitation of the beam performance. LINAC RF gallery and LINAC RF shutdown plan <ul style="list-style-type: none"> Decision from TGF to postpone the roof refurbishment from 2020 to 2021. This will then give the LINAC RF group the time to carry out several key shutdown works including the final SAT of the Thales PA of A4, modernization of the A1 PA, etc Due to the readiness of the PSU FOS tank, the original planned FOS RF test in Q3-Q4 2020, have to be further postponed. The proposed period at the moment is Q1 2021, which overlaps with the planned beam time for users. As this will limit UNILAC beam energy up to the 8.6MeV/u, ist impact to the physics program has to be analyzed and clarified with the management board SIS18 shutdown requests <ul style="list-style-type: none"> microspill cavity <ul style="list-style-type: none"> It has been proposed to be part of the beam study to further improve the micro spill structure. Priority 1 is pending on the report of its technical readiness, as well as first order of calculation on the concept Action: Technical review of its technical readiness (RF and), first order of calculation on the concept, potential adverse impact to the user program and mitigation: Jens/Peter new TS1MU1 installation is not needed until link to FAIR is required and ready. The most efficient way is to install this together with the dedicated beam dump line, the HHD beam line project by HEST MK Shutdown 2020 request from Plasma physics was discussed. TRI and VAC were contacted. Nevertheless, this is not yet in the MSP plan, as other machine plans <ul style="list-style-type: none"> Action: identify the contact person for the MSP planning (Daniel Severin) 			
4	Open Action items			
	1. FAIR Booster mode status: R. Baer, D. Ondreka (Nov. 26, Confirmed)	Ralph Bär/D. Ondreka		
	2. Operation performance limitation with only up to A3 of UNILAC from past (~10 years ago)	Jens Stadlmann/Peter Spiller		
	3. Provide a list of planned controls release and changes in 2020-2021 along with their potential impact and effect on the GSI existing facilities and systems such as beam instrumentation, power convertor etc	Ralph Bär		
	4. Status report on the SIS18 electrostatic septum, in particular 1) clarify the designed and measured strength of existing electrostatic septum in terms of beam rigidity 2) project plan of the new electrostatic septum that can fulfill the needs of slow extraction of 18Tm beam 1. Dec. 3, 2019 *TBC	Peter Spill/J. Stadlmann		
	5. For the GSI facility operation archiving , please contact Stephan to add or revise the needs and requests from your point of view	MKs and other experts		
	6. BEA will present a brief report regarding the status of BI readiness w.r.t. beam time, engineering run and subsequently Physics run in 2020	Markus Schwickert		
	7. IQS archiving system: how it works and status	RH/Barbara		
	Any other business			
	<ul style="list-style-type: none"> Next Machine Meeting: 26. November 2019 - 14:00-15:30 Uhr <ul style="list-style-type: none"> Approval of meeting minutes: 5mins Follow-up of open action items: 10mins FAIR Booster mode status: R. Baer, D. Ondreka: 20mins Engineering run status: S. Reimann+MKs: 30mins Other topics from MKs and system experts: 15mins 			