

 – Protocol		<b>Nr.: Feb 11, 2020 , 14:00 – 16:00</b>																																												
<b>Machine Meeting (MM)</b>		<b>Chair: M. Bai</b>																																												
<b>Distribution</b>	Machine coordinators and their deputies, departments leaders accelerator, participants, Management board																																													
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Yury Litvinov	<p><u>Attendees</u></p> <table border="1" data-bbox="395 521 890 1189"> <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 checked="" 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 checked="" type="checkbox"/> Sergey Litvinov</td> </tr> <tr> <td><input checked="" type="checkbox"/> Frank Herfurth</td> <td><input type="checkbox"/> Zoran Andelkovic</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 checked="" type="checkbox"/> M. Sapinski</td> <td><input 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 type="checkbox"/> Markus Schwickert</td> <td><input checked="" type="checkbox"/> Emma Haettner</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 checked="" 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 checked="" type="checkbox"/> Sergey Litvinov	<input checked="" type="checkbox"/> Frank Herfurth	<input type="checkbox"/> Zoran Andelkovic	<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 checked="" type="checkbox"/> M. Sapinski	<input type="checkbox"/> C. Hessler	<input type="checkbox"/> Peter Spiller	<input checked="" type="checkbox"/> Jens Stadlmann	<input type="checkbox"/> Markus Schwickert	<input checked="" type="checkbox"/> Emma Haettner	
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<b>Important:</b> <b>I = Information</b> <b>D = Decision</b> <b>AI = Action Item</b>			
<b>1</b>	<b>Agenda</b>		
	1. Approval of meeting minutes 2. Follow-up of action items 1. Special presentation on the UNILAC Emergency-off: (TBC) 3. Status update		
<b>2</b>	<b>Update</b>		
	<p><b>SIS18 kicker room report: GSI post mortem report</b>          Jens mentioned that the accumulated water problem started soon after the GAF work. Details can be found in the History report from Herr Spiller (email). Mei will update the report accordingly. The water is rather aggressive which could also explain why the corrosion looks like decade old.</p> <p><b>Beam time status:</b> <a href="https://indico.gsi.de/event/10110/contribution/9">https://indico.gsi.de/event/10110/contribution/9</a>          According to Daniel, about one to two day behind planned physics program          Switch replacement is almost done          Mr. Schumann also reported that the additional sealing suggested by the extern company around the cable duck will be applied today</p> <p><b>Mr. Becker:</b> Switch is successfully replaced, and kicker room is back on power!</p> <p><b>Ion Source status:</b>          In operation. No major</p> <p><b>UNILAC status:</b> <a href="http://indico.gsi.de/event/10110/contribution/7">http://indico.gsi.de/event/10110/contribution/7</a>          A4 reliable operation: timing issue (not compatible with 50Hz). Temp mitigation by RF internal device threshold circuit. Final solution is in the Pulzcentral (ACO). ACO timing expert is trying to find the solution. This was circumvented in the past. But giving this year's program with heavy ions, this can jeopardize the operation  <b>Action:</b> statement from HV to Mei. She will then take from there          Done. Report from HV the next day</p>		

	<p>Single gap resonator reliable operation for users is still working progress</p> <p>proton beam with higher voltage at different phase test was successful. Could have the potential to relax the LINAC RF setup work for protons</p> <p><b>SIS18 status:</b> <a href="http://indico.gsi.de/event/10110/contribution/3">http://indico.gsi.de/event/10110/contribution/3</a> No major issues besides kicker room problem. Jens gave a presentation on how he organized the Anlag safety walk of SIS18. See the slide in the above link</p> <p><b>HEST status:</b> Deckvermerk HHD at controlling. Planning in MSP is ongoing. GTE2DK4 work will be done this year, ie exchange with the new components (priority 1)</p> <p><b>FRS status:</b> re-installation of beam-plug(S1 area, critical for beam operation (FRS, forseen Feb 21)) is interrupted due to technical difficulty(delicate mechanical structure). Will come back later. No vacuum chamber to install off-site to pre-install. This is preferred for reducing risks <b>Action:</b> Emma gives Mei a tour</p> <p><b>ESR status:</b> <a href="http://indico.gsi.de/event/10110/contribution/0">http://indico.gsi.de/event/10110/contribution/0</a> Water from roof again, similar happened two years ago. Otherwise, getting ready for beam</p> <p><b>CRYRING status:</b> <a href="http://indico.gsi.de/event/10110/contribution/10">http://indico.gsi.de/event/10110/contribution/10</a></p> <ul style="list-style-type: none"> <li>• about 300liters LHe ordered and delivered.</li> <li>• HITRAP readiness requires significant resources from the FAIR project side: VAC, TRI, BEA, ACO. Rought timeline has been given to PMO by Frank. PMO will fill in required FTEs</li> <li>• HITRAP has not yet been explicitly in the G-PAC call, one proposal has been received. Additional proposal were received which required ESR e-cooler drift tube,</li> </ul> <p><b>PSU status:</b> No major issues</p> <p><b>cw-LINAC status:</b> <a href="http://indico.gsi.de/event/10110/contribution/5">http://indico.gsi.de/event/10110/contribution/5</a> obligo issue: money wasn't cashed out even the components. WB touched based with the company who didn't send the invoice. But, cw-linear colleagues weren't aware until now.</p>			
<b>3</b>	<b>Discussion</b>		<b>All</b>	
<b>4</b>	<b>Open Action items</b>			
	<p>1. FAIR Booster mode status: R. Baer, D. Ondreka (TBD)</p> <p>2. 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</p> <p>3. Postmortem report on the topic of current controls related issues, in particular the issue that blocked beam injection into SIS18 at the beginning of the Engineering Run template can be found at <a href="https://www.gsi.de/fileadmin/Beschleunigerbetrieb/PostMortemAnalysisReport_Template.docx">https://www.gsi.de/fileadmin/Beschleunigerbetrieb/PostMortemAnalysisReport_Template.docx</a> mid-Feb</p> <p>4. work with the relevant technical groups, experts to develop the list of the critical systems/components with information of the existing status as well as the spare parts or other mitigation measures</p> <p>5. <b>Action:</b> clarify the quality control for critical steps: UW/LG</p>	<p>Ralph Bär D. Ondreka</p> <p>Ralph Bär</p> <p>Jens</p> <p>All</p> <p>Lars Groening</p>		
	<b>Any other business</b>			
	<ul style="list-style-type: none"> <li>• <b>Next Machine Meeting: February 19, 2020 - 15:00-16:30 Uhr</b></li> </ul> <p>1. Approval of meeting minutes</p> <p>2. Follow-up of action items</p> <ol style="list-style-type: none"> <li>1. Special presentation on the UNILAC Emergency-off: Andreas Engling/R. Becker: 15mins</li> <li>2. FAIR Operation Mode: S. Appel</li> </ol> <p>3. Status update</p>			