

 - Protocol		Nr.: 20181009, 14.00
<b>Machine Meeting (MM)</b> <a href="https://indico.gsi.de/event/7787">https://indico.gsi.de/event/7787</a>		<b>Chair:</b> M. Bai <b>Protocol:</b> U. Weinrich
<b>Distribution</b>	Machine coordinators and their deputies, departments leaders accelerator , participants, J. Blaurock, S. Menke, G. Walter	
<b>Participants</b>	Head of division accelerator operation: M. Bai, U. Weinrich Machine coordination Ion Sources: A. Adonin, F. Maimone Machine coordination UNILAC: P. Gerhard Machine coordination SIS18: J. Stadlmann Machine coordination HEST: M. Sapinski Machine coordination FRS: C. Scheidenberger Machine coordination ESR: M. Steck, S. Litvinov Machine coordination Crying/HITRAP: F. Herfurth Beam time coordination: D. Severin Department Operation: M. Vossberg Department Linac: P. Gerhard Department Linac HF: B. Schlitt Department Beam Cooling: ----- Department Control System: H. Hüther Department Vacuum System: ----- Department Beam Diagnostics: ----- Department Electric Power Systems: ----- Department Transport and Installations: ----- Department System Design SIS18/SIS100: ----- Department Ring RF: ----- Department Ring HV: ----- Others: W. Barth	

<b>Important:</b> <b>I = Information</b> <b>D = Decision</b> <b>AI = Action Item</b>		<b>Confidentiality Notice</b> <b>It is requested not to scatter the protocols over the predetermined distribution circle or leave them on the publicly available printers.</b>
<b>1</b>	<b>Status in RF gallery</b>	<b>B. Schlitt</b>
	<ul style="list-style-type: none"> <li>LINAC RF cleaning and inspection are done. Restoration of operation is started. HSI IH was powered with the HSI RFQ amplifier and reached good results. This indirectly shows the RF source for the HSI RFQ should not be the cause of unwanted modes. In short, LINAC RF work is on track so far and we expect LINAC RF is ready for UNILAC (including A4) to have beam around Nov. 16</li> <li>The opening of the ER1 transformer station revealed one piece of aluminum at the back side. The pull out of the transformer for further inspection and cleaning is scheduled for calender week 43. Precautions have to be taken for workers in order to prevent direct skin contact. At the moment no it is unclear how long the repair and restart of the ER1 power station will take. The intention is to get it back to operation before the engineering run 2019.</li> </ul>	
<b>2</b>	<b>Status ESR</b>	<b>M. Steck</b>

		<a href="https://indico.gsi.de/event/7787/contribution/5">https://indico.gsi.de/event/7787/contribution/5</a> <ul style="list-style-type: none"> <li>ESR dry run ongoing, a lot of progress so far in digging up the bugs. One of the major findings is that the SCUs have to be reconfigured for more reliable operation by reducing the amount of devices connected to them. This is in progress along with the reconfiguration of the SIS18 frontends. While all 55 power converters were ramped, it has yet shown that all power converters can be ramped synchronously, a must-have condition for the synchrotron mode. The synchronization between SIS18 and ESR has not yet been available, and the detailed concept of how to operate ESR in parasitic to SIS18 from controls point of view is still under development.</li> <li><b>technical discussion between ACO and ACC to define how to operate ESR in parallel to SIS18 operation for users</b></li> </ul>	
AI			M. Steck, H. Hüther
3		<b>Mechanical problems with several FRS dipoles</b>	C. Scheidenberger
		<a href="https://indico.gsi.de/event/7787/overview">https://indico.gsi.de/event/7787/overview</a> <ul style="list-style-type: none"> <li>It was discovered lately in one of the FRS main dipole, the coils move by up to 1cm when the dipole is cycled between its dwell fields and maximum field. The brittles of the insulation materials on the supporting parts have been seen. At the moment, the experts are examining the situation using endoscope. While the decision of fixing the support will be made based on the finding, it is strongly favored to fix the problem in the light of safe operation. The estimate of fixing the problem is roughly 4-6 weeks, which means FRS will not be available during the upcoming engineering run. During repair of the first two FRS dipoles SIS18 can not be operated with beam.</li> <li><b>Mitigation plan for FRS dipole problems</b></li> </ul>	
AI			C. Scheidenberger
4		<b>Planning of engineering run</b>	all
		<a href="https://indico.gsi.de/event/7787/contribution/7">https://indico.gsi.de/event/7787/contribution/7</a> <ul style="list-style-type: none"> <li>A very preliminary planning for the engineering run is discussed and iterated. The goal is to make sure SIS18 and HEST are ready for beam by Nov. 19. The setup of HSI with beam will start up around Nov. 16, while HLI will start to provide beam for cw-LINAC demonstrator on Nov. 12. HLI will be ready for providing beam for SIS18 on Nov. 19. No detailed report available. SIS18 shutdown is scheduled to be finished on the 2<sup>nd</sup> of November.</li> <li>The block of HEST comm. and controls with stable cycles without beam in the week of Nov. 19 to Nov. 24 should be done before. The SIS18 tunnel should be closed by Nov. 6.</li> <li><b>check status of SCU reconfiguration to see whether this work can be ready to allow the stable cycles for HEST dryrun before Nov. 19 and SIS18+HEST readiness for beam on Nov. 19</b></li> <li>The beamtime for cw-LINAC demonstrator from Nov. 19 to Nov. 24 should be modified in a way that the UNILAC is ready for providing beam for SIS18 during the day shift</li> <li>the cw-LINAC demonstrator beam time beyond the week of Nov. 12 to Nov. 18 will be rescheduled to the later part of the engineering run when HSI is ready for serving SIS18</li> <li><b>Check the integrity of the Strahlwegeplanung – meaning consistency of nomenclature list, input in component data</b></li> </ul>	
D			
AI			H. Hüther
D			
D			
AI			All MKs

	<b>base and real installation. The existing copy can be found at <a href="#">here</a></b>	
<b>6</b>	<b>Round table on machine progress towards beam time 2018</b>	<b>MKs</b>
	<b>Ions Sources</b> ( <a href="https://indico.gsi.de/event/7787/contribution/1">https://indico.gsi.de/event/7787/contribution/1</a> ) <ul style="list-style-type: none"> <li>Expectation of 4 Ag electrodes need per day of operation. 150 available at the moment.</li> <li>The former project "Terminal West and compact LEBT" is now named "PRIDE" and a kick off will be on the 24<sup>th</sup> of October.</li> </ul>	A. Adonin, F. Maimone
	<b>UNILAC</b> ( <a href="https://indico.gsi.de/event/7787/contribution/2">https://indico.gsi.de/event/7787/contribution/2</a> )	P. Gerhard
<b>AI</b>	<b>SIS18</b> <ul style="list-style-type: none"> <li><b>Develop the commissioning plan of the SIS18 spill structure cavity. Expect report at the Nov. 6 machine meeting</b></li> </ul>	<b>J. Stadlmann</b> <b>P. Hülsmann</b>
<b>AI</b>	<b>HEST</b> ( <a href="https://indico.gsi.de/event/7787/contribution/4">https://indico.gsi.de/event/7787/contribution/4</a> ) <ul style="list-style-type: none"> <li><b>The loss reduction in the HEST towards HADES should be a dedicated program issue in the commissioning plan for the engineering run</b></li> </ul>	<b>M. Sapinski</b>
	<b>ESR</b> ( <a href="https://indico.gsi.de/event/7787/contribution/5">https://indico.gsi.de/event/7787/contribution/5</a> )	M. Steck
	<b>Operations and beam time coordination</b> <ul style="list-style-type: none"> <li>a discussion took place on the 2019 scheduling</li> <li><b>remaining questions to be clarified</b></li> </ul>	M. Vossberg
<b>AI</b>		<b>D. Severin/M. Bai</b>
	<b>Cryring and HITRAP</b> ( <a href="https://indico.gsi.de/event/7787/contribution/6">https://indico.gsi.de/event/7787/contribution/6</a> )	F. Herfurth
	<b>Any other business</b>	
	<ul style="list-style-type: none"> <li><u>Next Machine Meeting:</u> October 23rd, 2018</li> </ul>	