

 <b>Protocol</b>	<b>Nr.: 20180717, 14.00</b>																																												
<b>Machine Meeting (MM)</b>	<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>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Head of division accelerator operation:</td><td>M. Bai, U. Weinrich</td></tr> <tr> <td>Machine coordination Ion Sources:</td><td>K. Tinschert, R. Hollinger</td></tr> <tr> <td>Machine coordination UNILAC:</td><td>P. Gerhard, M. Maier</td></tr> <tr> <td>Machine coordination SIS18:</td><td>J. Stadlmann</td></tr> <tr> <td>Machine coordination HEST:</td><td>-----</td></tr> <tr> <td>Machine coordination FRS:</td><td>C. Scheidenberger</td></tr> <tr> <td>Machine coordination ESR:</td><td>M. Steck</td></tr> <tr> <td>Machine coordination Crying/HITRAP:</td><td>Z. Andelkovic</td></tr> <tr> <td>Beam time coordination:</td><td>Y. Litvinov</td></tr> <tr> <td>Department Operation:</td><td>M. Vossberg</td></tr> <tr> <td>Department Linac:</td><td>-----</td></tr> <tr> <td>Department Linac HF:</td><td>M. Hörr</td></tr> <tr> <td>Department Beam Cooling:</td><td>-----</td></tr> <tr> <td>Department Control System:</td><td>H. Hüther</td></tr> <tr> <td>Department Vacuum System:</td><td>-----</td></tr> <tr> <td>Department Beam Diagnostics:</td><td>A. Reiter, M. Schwickert</td></tr> <tr> <td>Department Electric Power Systems:</td><td>-----</td></tr> <tr> <td>Department Transport and Installations:</td><td></td></tr> <tr> <td>Department System Design SIS18/SIS100:</td><td></td></tr> <tr> <td>Department Ring RF:</td><td>-----</td></tr> <tr> <td>Department Ring HV:</td><td></td></tr> <tr> <td>Others:</td><td>R. Singh, G. Walter</td></tr> </table>	Head of division accelerator operation:	M. Bai, U. Weinrich	Machine coordination Ion Sources:	K. Tinschert, R. Hollinger	Machine coordination UNILAC:	P. Gerhard, M. Maier	Machine coordination SIS18:	J. Stadlmann	Machine coordination HEST:	-----	Machine coordination FRS:	C. Scheidenberger	Machine coordination ESR:	M. Steck	Machine coordination Crying/HITRAP:	Z. Andelkovic	Beam time coordination:	Y. Litvinov	Department Operation:	M. Vossberg	Department Linac:	-----	Department Linac HF:	M. Hörr	Department Beam Cooling:	-----	Department Control System:	H. Hüther	Department Vacuum System:	-----	Department Beam Diagnostics:	A. Reiter, M. Schwickert	Department Electric Power Systems:	-----	Department Transport and Installations:		Department System Design SIS18/SIS100:		Department Ring RF:	-----	Department Ring HV:		Others:	R. Singh, G. Walter
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<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>Update on Operation Status</b>	<b>M. Vossberg</b>
	M. Vossberg presents the operation status (see presentation on INDICO page): <ul style="list-style-type: none"> <li>fire in LINAC RF power converter for ER on Friday, 13<sup>th</sup> of July, stopped user beam time 3,5 days earlier as scheduled</li> <li>the lifetime of PIG sources was reduced due to wrong settings</li> <li>the super lens was not able to reach the duty cycle of 25 Hz at 3ms pulse length</li> <li>the SIS commission was disturbed by frequent trips of the SIS18 dipole power supplies</li> <li>Ag 45+ had to be used instead of the attempted Ag47+ to reach better intensities</li> <li>the charge separation of Pb5+ revealed to be difficult.</li> </ul>	
<b>2</b>	<b>Fire in LINAC RF ER1 Power Supply</b>	<b>M. Hörr</b>
	M. Hörr presents the first temptative schedule for cleaning, checking and restart of the LINAC RF (see presentation on INDICO page). The reason for the fire could not yet be clearly identified as the zone	

AI AI AI	<p>had to be cleaned up first. The power cut on the campus should not have happened if the Mains Power Supply would have been protected correctly.</p> <ul style="list-style-type: none"> <li>- LINAC RF schedule will be sent to beam time coordinators.</li> <li>- Update on status of RF schedule 24<sup>th</sup> of July</li> <li>- Check of requirements for October Shutdown</li> </ul>	M. Bai G. Schreiber M. Vossberg
<b>3</b>	<b>Planning for the upcoming beam commissioning</b>	<b>M. Bai</b>
AI	<ul style="list-style-type: none"> <li>• M. Bai presented her suggestion for the SIS18 beam commissioning planning and explains her expectation concerning the content and detailing of this plan (see presentation on INDICA page).</li> <li>- the goal oriented plan should be established until the 20<sup>th</sup> of July.</li> </ul>	J. Stadlmann
AI	<ul style="list-style-type: none"> <li>• J. Stadlmann, R. Singh and M. Bai presented issues on the achieved progress of SIS18 beam commissioning (see presentations on INDICO page). The SIS18 commissioning with beam was successful but stable operation conditions and proven settings for the user beams could not yet be reached. <ul style="list-style-type: none"> <li>- the data presented with respect to the SIS orbit need to be understood in detail</li> </ul> </li> <li>• H. Hüther presented the status of the Accelerator Control System (see presentation on INDICO page). Bugs were fixed but the Control System does not yet support beam commissioning as required and is not yet ready for the ESR operation. The controls team has an approach to improve stability and usability of the accelerator control system. Personnel resources are, however, very limited. A discussion takes place on how control room user requirements were or were not requested, discussed, decided and implemented in the accelerator control system. For example the new ion source application. This issue is also important for further required improvements (ESR operation modes, UNILAC refurbishment, etc.)</li> </ul>	J. Stadlmann
<b>4</b>	<b>Round table on machine progress towards beam time 2018</b>	<b>MKs</b>
AI	<p><b>Ions Sources (see presentation on INDICO page):</b></p> <ul style="list-style-type: none"> <li>• Bi-operation as fall-back solution for the intended Pb-operation will be prepared for the VARIS source.</li> </ul> <p><b>UNILAC (see presentation on INDICO page):</b></p> <ul style="list-style-type: none"> <li>• The ER1 RF station failure also delays the RF tests on the HSI RFQ and the commissioning of the A4 station.</li> </ul> <p><b>SIS18 :</b></p> <ul style="list-style-type: none"> <li>• see above. It is foreseen to start the beam commissioning without beam as scheduled on the 30<sup>th</sup> of July.</li> <li>- A Dryrun will be organised to used the extended time without beam</li> </ul> <p><b>HEST :</b></p> <ul style="list-style-type: none"> <li>• no report</li> </ul> <p><b>ESR (see presentation on INDICO page) :</b></p> <ul style="list-style-type: none"> <li>• It is foreseen to proceed with the ESR work as planned until the ESR is ready to take beam. According to this the ESR commissioning will start on the 6<sup>th</sup> of August.</li> <li>• Special Remark: in contrary to the protocol of the last MM two weeks ago, the controls part is not yet done.</li> <li>• The problem of missing length due to short bellows could be</li> </ul>	P. Schütt

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AI	<p>solved, the ring can be closed.</p> <p><b>Cryring and HITRAP (see presentation on INDICO page):</b></p> <ul style="list-style-type: none"> <li>• The Cryring team is working towards the next beam time scheduled to start on the 20<sup>th</sup> of August</li> <li>- a short description of the planning should be established and distributed</li> </ul> <p><b>General:</b></p> <ul style="list-style-type: none"> <li>• INDICO will be from now on be used for the Machine Meeting as well. All presentations should therefore be uploaded directly by the contributors. For troubleshooting P. Lindenberg and U. Weinrich can be contacted.</li> </ul>	Z. Andelkovic
	<b>Any other business</b>	
	<ul style="list-style-type: none"> <li>• <u>Next Machine Meeting:</u> July 31, 2018</li> </ul>	