

 Protocol	Nr.: 20190528, 14:00 – 16:00
<b>Machine Meeting (MM)</b>	<b>Chair:</b> M. Bai
<b>Distribution</b>	Machine coordinators and their deputies, departments leaders accelerator, participants, Management board
<b>Participants</b>	D. Severin, M. Steck, H. Vormann, L. Groening, M: Schwickert, R. Hollinger, Haik Simon, J. Gerl, C. Scheidenberger, U. Weinrich, P. Gerhard, F. Herfurth, J. Stadlmann

<b>Important:</b> <b>I = Information</b> <b>D = Decision</b> <b>AI = Action Item</b>	<u><b>Confidentiality Notice</b></u> <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>Agenda</b>	
	<ul style="list-style-type: none"> <li>• Approval of meeting minutes</li> <li>• Follow-up of action items</li> <li>• Status update</li> </ul>	
<b>2</b>	<b>Update</b>	
	<p><b>Follow-up</b></p> <ul style="list-style-type: none"> <li>• <b>Risk registration: all MK deliver ASAP by May 21, 2019</b> <ul style="list-style-type: none"> <li>○ delivered so far: UNILAC, HEST, ESR</li> <li>○ <b>to be delivered: IQ, SIS18, and CRYRING</b> <ul style="list-style-type: none"> <li>▪ IQ: Ralph check with Klaus</li> <li>▪ CCRYRING: FH is waiting for the response from SW</li> <li>▪ SIS18 to be followed</li> </ul> </li> </ul> </li> </ul> <p><b>Physics programs:</b>          No update. In discussion with various experimenters. Tentatively, planning is based on about 100 day physics run</p> <p>Special presentation by Haik Simon on the R3B experiment overview of last beam time. Presentation can be found at <a href="http://indico.gsi.de/event/8968/contribution/4">http://indico.gsi.de/event/8968/contribution/4</a>. In short, experiment requires 1e9 particles per spill at 500AMeV on target with a smooth micro-spill structure. Major issues in 2019 beamtime: 1) lost 1.5 day in setting up desirable beamline optics 2) suffered an effective intensity reduction by a factor of 5 due to the micro-spill structure. Quad modulation technique wasn't used as the slow-extraction was setup as knock-out and was not yet tested to see whether Quad modulation technique can help.</p> <p>Need to verify these points during engineering run to assess its physics beam time in 2020. Can be carried out with Kr or Ar.</p> <p><b>Operations (OPE):</b> <a href="http://indico.gsi.de/event/8968/contribution/2">http://indico.gsi.de/event/8968/contribution/2</a></p> <ul style="list-style-type: none"> <li>▪ Overall shutdown activities progress okay. No major issues</li> <li>▪ ESR dryrun, carried out by Controls:</li> </ul>	<p>D. Severin</p> <p>H. Simon J. Gerl</p> <p>S. Reimann</p>



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	<b>COMM systems:</b> <b>ACO:</b>  <b>BI:</b>	M. Schwickert
<b>3</b>	<b>Discussion</b>	<b>All</b>
<b>4</b>	<b>Open Action items</b>	
	<ul style="list-style-type: none"> <li>• Risk registration list: for each item, the MKS are asked to provide the following information:             <ul style="list-style-type: none"> <li>○ technical name of the system or component</li> <li>○ probability of the failure and its impact including duration of loss of operation as well as financial loss if applicable</li> <li>○ counter measure including involved budget if possible</li> </ul> </li> <li>S. Wielsch list is available at  <a href="https://indico.gsi.de/event/8626/contribution/0">https://indico.gsi.de/event/8626/contribution/0</a> </li> <li>• Achieved Beam parameters of GSI Accelerator facilities             <ul style="list-style-type: none"> <li>○ pending on the feedback from MKs</li> </ul> </li> <li>• 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</li> <li>• Feedback from ACO on a date of reviewing storage ring mode development status. This should be far before Sept. Tentatively end of June</li> <li>• Invite the spill cavity expert P. Hülsmann to give a brief report on the commissioning plan of the spill cavity</li> <li>• <b>new: communication of updated overview list of ACC activities to machine coordinators and other colleagues</b> <ul style="list-style-type: none"> <li>○ this will be upgraded to the latest technique of sharing files safely as soon as GSI IT allows. R. Bär will keep us informed.</li> </ul> </li> </ul>	<p>All MKs</p> <p>L. Groening</p> <p>W. Barth</p> <p>R. Baer</p> <p>J. Stadlmann</p> <p>RB/RS</p>
	<b>Any other business</b>	
	<ul style="list-style-type: none"> <li>• <u>Next Machine Meeting</u>: June 4, 2019. status update, 14:00—16:00             <ul style="list-style-type: none"> <li>○ Approval of meeting minutes: 5mins</li> <li>○ Follow-up of action items: 15mins</li> <li>○ Engineering run planning: 60 mins, all                 <ul style="list-style-type: none"> <li>▪ Requirements from Physics program of 2020 Q1, D. Severin</li> <li>▪ commissioning of storage rings</li> <li>▪ Realistic expectation on the achievable Intensity of Pb and Uranium beams w.r.t. known boundary conditions</li> </ul> </li> </ul> </li> </ul>	