

 G S I - Protocol	Nr.: 20181218, 13:30 – 15:45
Machine Meeting (MM)	Chair: M.Bai Protocol: U.Weinrich
Distribution	Machine coordinators and their deputies, departments leaders accelerator , participants, J. Blaurock, S. Menke, E. Rosi, G. Walter
Participants	A.Adonin, M.Bai, R.Bär, F.Herfurth, A.Krämer, S.Litvinov, Y.Litvinov, M.Sapinski, C.Scheidenberger, M.Schwickert, J.Stadlmann, M.Steck, K.Tinschert, U.Weinrich

Important: I = Information D = Decision AI = Action Item	<u>Confidentiality Notice</u> It is requested not to scatter the protocols over the predetermined distribution circle or leave them on the publicly available printers.
1	Agenda
	<p>-- Approval of meeting minutes</p> <p>-- Main discussions:</p> <p>1) Spill quality campaign preliminary findings: P. Forck and D. Ondreka: 20mins</p> <p>2) Engineering run status: achieved vs. required for 2019 Physics program: S. Reimann and D. Severin: 20mins</p> <p>3) ESR synchrotron mode commissioning with beam: M. Steck or designated: 15mins</p> <p>4) Shutdown activity planning: M. Bai 5mins</p> <p>-- Update from remaining machines and systems</p> <p>-- meeting structure change in 2019: Mei</p>
2	Update
	<p>Minutes of the last meeting on 04.12.2018 Topic not addressed</p> <p>Crying status report can be found at http://indico.gsi.de/event/8233/contribution/6 Stand alone experiments with magnesium beam are scheduled for the upcoming run. Crying planning for the run is based so far on the assumption that the timing of the Crying will be completely linked to the ESR – as foreseen for the beam transfer from ESR to Crying.</p> <p>ESR status report can be found at http://indico.gsi.de/event/8233/contribution/3 Also the ESR is confronted with a 16 second limit for the pattern due to power converters issues. Very likely this is caused by limited timing performance in the control system.</p> <p>HEST status report</p>
	<p>F.Herfurth</p> <p>M.Steck</p> <p>M.Sapinski</p>

	<p>No report presented in the meeting.</p> <p>Ion Sources status report can be found at http://indico.gsi.de/event/8233/contribution/11 A discussion took place on the duration of the pulse for the silver beam. Topic to be clarified in a dedicated meeting.</p> <p>SIS18 status report can be found at http://indico.gsi.de/event/8233/contribution/0 Main goals for SIS18 of the engineering run were reached. Accumulation using electron cooling was shortly tested but could not be achieved in the very limited time window. Schedule for commissioning was presented and discussed</p> <p>UNILAC status report No report presented in the meeting.</p>	<p>A.Adonin</p> <p>J.Stadlmann</p>
3	Discussion	all
	<p>Meeting Structure Change</p> <ul style="list-style-type: none"> In order to have an improved resource balanced strategic planning, M.Bai would like to use the Machine Meeting to carry out periodic strategic planning of ACC activities during shutdown as well as various upgrade/improvement projects. This type of meeting as well as dedicated special topics is foreseen to take a duration of 2 hours and will be called with announcement in advance. <p>The strategic planning that is envisioned here is to jointly discuss the priority of various ACC activities for operation as well as improvements/upgrades. Two overview excel sheets were shared at the meeting and they are now available at https://sf.gsi.de/d/26ea0fb93ce6412fbc8d/ for the ACC AIP activities and https://sf.gsi.de/d/bbca2319ad7c4814b668/ for the significant 2019 shutdown activities, respectively. The spreadsheet of the ACC AIP also contains all the fact sheets that are available.</p> <p>These are designed to provide an overall guideline for the day2day execution of each activity coordinated by various other meetings, such as the OCM for the shutdown coordination. In addition, these are also designed to collect the requested FTE for each activity. Once the data is available, this then allows us to coordinate with the FAIR PMO to allocate the resources based on capability as well as priority.</p> <p>Concerns of potential overlapping with other meetings were raised and discussed. As long as the discussion remains at the strategic view and planned well in advance, this shall not be concerned.</p> <ul style="list-style-type: none"> For the routine status update, a weekly up to 60 mins meeting will take place on Tuesday at 2 pm at the same location. <p>Even though this in principle shortens the amount of meeting time – currently Machine Meeting is bi-weekly and lasts for</p>	<p>M.Bai</p>

	<p>over 2 hours –, concerns were raised that this change breaks the habit and can be seen as burden. To ensure that will not be the case, the MKs are strongly encouraged to upload their status report uploaded in advance so that the discuss can be focused on key points</p> <p>GSI beam experiment proposal: https://indico.gsi.de/event/8233/contribution/7# M.Bai presented a draft form of “GSI beam experiment proposal” which is designed for collecting key facts such as:</p> <ul style="list-style-type: none"> • a brief description of the beam study and its impact/benefit • the principle investigator and team • required duration(# of total shifts) and resources, i.e. experts from other areas to support the study such as beam instrumentation, RF, etc <p>This form allows an organized planning and followup, and has been widely practiced in the accelerator community worldwide. For instance, all beam related activities at CoSY of Jülich must be submitted to the CMAC(CoSY Machine Advisory Committee) which meets twice a year to scrutinize all the proposals. CERN, BNL, Fermilab all have similar practices.</p> <p>As we are facing a lot challenges in significant overloaded resources and at the same time reduced hours for operations(~3000 hours now vs. ~6000 hours in the past), this practice should help us to stay focused with high efficiency to achieve our strategic goals.</p> <p>Capacity of vacuum department for shutdown activities A.Krämer presented the presonnel planning for the summer shutdown activities 2019. Besides the UNILAC vacuum control refurbishment, only 1.5 FTE for other tasks can be available. At the moment, this 1.5FTE is foreseen for the SIS18 activities. No resources are available for other systems/machines besides routine maintenance. This generated concerns as there will be must-done items for other machines in order to be prepared for the physics run in 2020. Hence, all MKs are asked to submit all the items that requires significant support of vacuum group during the 2019 summer shutdown period.</p> <p>Frank Herfurth and a few other colleagues also raised the question whether the vacuum group is willing to consider to engage colleagues outside the vacuum group who can be trained to take over some routine vacuum tasks such as bake-out. This may be seen as an additional loads on the vacuum group at the beginning. But, if planned well, should allow mitigation of the significant resource overload situation in this area.</p>	<p>M. Bai</p> <p>A.Krämer</p>
4	Decisions	
5	Open Action items (existing ones not discussed in the meeting)	
	<ul style="list-style-type: none"> • <i>technical discussion between ACO and ACC to define how to operate ESR in parallel to SIS18 operation for users done</i> 	<p>M. Steck/Hanno</p>

	<ul style="list-style-type: none"> • Check the integrity of the Strahlwegplanung. The existing copy can be found at here • develop then commissioning plan of the SIS18 spill structure cavity. Expect report at the Nov. 6 machine meeting • <i>tests on spill quality for HADES end of calender week 49 done</i> • <i>tests on silver 46+ intensity beginning of calender week 50 done</i> • <i>meeting with HADES team on 12th of December to decide on HADES user schedule in user beam time 2019 done, but no report yet</i> • new: communication of updated overview list of ACC activities to machine coordinators and other colleagues <ul style="list-style-type: none"> ○ for now, the files are shared via seafile.gsi.de. Invitations are sent via seafile. The links are https://sf.gsi.de/d/26ea0fb93ce6412fbc8d/ for the ACC AIP activities and https://sf.gsi.de/d/bbca2319ad7c4814b668/ for the significant 2019 shutdown activities ○ this will be upgraded to the latest technique of sharing files safely as soon as GSI IT allows. R. Bär will keep us informed. • new: submit all the items that requires significant support of vacuum group during the 2019 summer shutdown period. Impact/benefits of each request along with required FTE should also be provided for planning 	<p>All MKs</p> <p>J. Stadlmann/P. Husmann</p> <p>Spill experts</p> <p>All MKs</p> <p>D. Severin</p> <p>M. Bai</p> <p>F. Herfurth J. Stadlmann M. Steck M. Sapinski</p>
Any other business		
	<ul style="list-style-type: none"> • <u>Next Machine Meeting: Jan. 8, 2019. Tentative agenda</u> <ul style="list-style-type: none"> ○ <u>Approval of meeting minutes: 5mins</u> ○ <u>Status update from all MKs: 50mins</u> <ul style="list-style-type: none"> ▪ <u>SIS18 main magnet power convertor for long spill at highest rigidity: K. Trumm/J. Stadlmann</u> ▪ LINAC RF status w.r.t. the roof protection against rain: G. Schreiber ▪ physics run plan update: D. Severin ○ <u>Shared files on seafile: 5mins, M. Bai</u> 	

