

 GSI – Protocol		Nr.: 20190226, 14:00 – 15:30
Machine Meeting (MM)		Chair: M. Bai
Distribution	Machine coordinators and their deputies, departments leaders accelerator, participants, Management board	
Participants	S. Reimann, D. Severin, U. Weinrich, R. Hollinger, M. Steck, F. Herfurth, P. Gerhard, L. Groening, C. Dimopoulou, G. Schreiber, W. Barth, P. Spiller, M. Schwickert	

Important: I = Information D = Decision AI = Action Item		Confidentiality Notice It is requested not to scatter the protocols over the predetermined distribution circle or leave them on the publicly available printers.
1	Agenda	
	-- Approval of meeting minutes https://indico.gsi.de/event/8518/material/minutes/0.pdf -- Operation Status update S. Reimann/D. Severin all MKs -- Special discussions on current capabilities: MBai + All -- Open Action Items followup: all	
2	Update	
	-- Open Action Items followup: Action: status update on the spill cavity and preliminary installation plan In mid March Action: update on ESR/CRYring commissioning requirements and status in two weeks (end of Feb) Action: Analog signal digitization of GSI facilities project status update in March 2019 Action: please provide further information on the installation planning. The team also has to touch base with the campus development to avoid potential collision. Operations: http://indico.gsi.de/event/8554/contribution/6 Machine availability for users User efficiency statistics Physics programs: GLAD on. R3B till Friday Ion Sources status report:	J. Stadlmann/P. Husmann MS/FH/CD J. Stadlmann/R. Steinhagen W. Barth

	<p>http://indico.gsi.de/event/8554/contribution/0</p> <p>SIS18 status report:</p> <p>UNILAC status report: http://indico.gsi.de/event/8554/contribution/2 A4 optimized for 10Hz 2ms pulse width for long pulse high repetition rate mode Short term: administrative measures to stay within power limit Long term: protection system, timing structure</p> <p>HSI RFQ electrode/carrier rings proceed well FOS, GW delayed 6-week</p> <p>HEST status report: No report</p> <p>FRS status report: No report</p> <p>ESR status report: In preparation for beam commissioning. The power convertor issue that was reported earlier was due to control software bug.</p> <p>CRYRING@ESR status report: In preparation, vacuum is a bit worse than expected. Plan to run March 4, duration 4 weeks</p> <p>CW-LINAC demo: No report</p> <p>COMM systems: ACO: No presence</p> <p>BI: Fruitful results from last MD session during the beam setup. Will summarize and report at the MM</p>	
3	Discussion	all
	<p>It was requested by JSC and Aufsichtsrat to report the capability of the current facilities including the existing technical limitations. Mei put together a few slides to lead the discussion. In short: (https://indico.gsi.de/event/8554/contribution/8)</p> <ol style="list-style-type: none"> 1) the capabilities that were demonstrated in the past need to be re-achieved in the next year or two: limitation due to controls, UNILAC HSI RFQ/LEBTQQ etc. 2) So far, the intensity delivered to the users based on their requests is typically below the intensity required for FAIR operation. 3) The high intensity record of uranium28+ was achieved during dedicated machine development. UNILAC uranium28+ was also studied and intensity of 4.5mA at the end of TK as well as ~ 10mA@1.4MeV/u 4) Action item to all MKs and experts: provide the achieved performance from the good old days: both from routine operation(reliability) as well as best performance for fulfilling future FAIR requirements 	all MKs and experts
4	Decisions	

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5	Open Action items (existing ones not discussed in the meeting)	
	<ul style="list-style-type: none"> develop the commissioning plan of the SIS18 spill structure cavity. Expect report at the Nov. 6 machine meeting <ul style="list-style-type: none"> presentation scheduled in the MM about one month later Analog signal digitization of GSI facilities project status ESR/CRYring commissioning requirements and status <i>meeting with HADES team on 12th of December to decide on HADES user schedule in user beam time 2019 done, but no reported yet</i> new: communication of updated overview list of ACC activities to machine coordinators and other colleagues <ul style="list-style-type: none"> this will be upgraded to the latest technique of sharing files safely as soon as GSI IT allows. R. Bär will keep us informed. Technical limitation of GSI existing facilities Survey construction waste falling from ceiling onto cavity A1 	<p>J. Stadlmann/P. Husmann/Spill quality experts</p> <p>JS/RS</p> <p>MS/FH</p> <p>D. Severin</p> <p>All MKs</p> <p>All MKs P. Gerhard</p>
	Any other business	
	<ul style="list-style-type: none"> <u>Next Machine Meeting:</u> March. 12, 2019. status update, 14:00—15:30 <ul style="list-style-type: none"> Approval of meeting minutes: Status update discussion on current capabilities and strategy towards future 	