

	<p>intensity pion beam has not yet been verified with the corresponding beams</p> <p>FRS status report: None Mei re-iterated FRS commissioning plan. Ralph confirmed that he has seen the plan, but he can not make commitment to the plan due to lack of manpower. Nevertheless, he will judge case by case. It is clarified that FRS has to be operational in order to realize the proposed physics experiments at storage rings. More details in Discussion section below</p> <p>ESR status report: No major issues. For the latest controls dryrun, please see the comments in the Operations(OPE)</p> <p>CRYRING@ESR status report: http://indico.gsi.de/event/8982/contribution/6 No major issues. Discussion the commissioning of CRYRING with ESR beam during engineering run, see in the Discussion section</p> <p>CW-LINAC demo: http://indico.gsi.de/event/8982/contribution/2</p> <p>COMM systems: ACO: http://indico.gsi.de/event/8982/contribution/10 Status of storage ring mode of FAIR controls was briefly showed. Four critical elements for storage ring mode are identified, i.e “Break Points”, “Manipulations”, “Repetitions” and “Skipping”. ACO will try its best to realize the 1st three key elements. 1st of the two key elements will be tested at the CRYRING beam time in September. Dry runs at ESR are also planned</p>	<p>S. Litvinov</p> <p>F. Herfurth</p> <p>W. Barth</p> <p>R. Baer</p>
3	Discussion	All
	<ul style="list-style-type: none"> ▪ Overall goal of the Engineering run <ul style="list-style-type: none"> ▪ re-commission the ESR capabilities, especially deceleration to 10MeV/u or below. Once achieved, then to complete the CRYRING commissioning with beam from ESR ▪ re-establish heavy ion beams, such as Pb and uranium, in the UNILAC ▪ benchmark most challenging operation/beam performance that are requested for the upcoming physics program. Examples are <ul style="list-style-type: none"> ▪ operational setup for minimizing the micro-spill structure of slow extracted SIS18 beam ▪ stored and cooled beam in CRYRING ▪ intensity limit of Pb and uranium beam, etc. ▪ Physics requests on the beam parameters: <ul style="list-style-type: none"> ▪ For fixed target <ul style="list-style-type: none"> ▪ needs FRS to be operational ▪ can work with nominal intensity, but desire to have highest intensity of heavy ion beams ▪ For storage ring 	

	<ul style="list-style-type: none"> ▪ about 2 out of 8 experiments would like to have 1e7 U91+ stored beam in CRYRING ▪ Engineering run planning <ul style="list-style-type: none"> ▪ 2nd round of planning at Engineering-Run2019_draft.xlsx ▪ Need further clarification <ul style="list-style-type: none"> ▪ Installation of CW-LINAC advance demo interface to STF with HLI availability at the beginning of engineering run ▪ feedback from SIS18 MK on the SIS18 goals for engineering run ▪ planning and coordination of effort in re-establishing decelerated beam in the ESR, and evaluating the feasibility of the CRYRING physics experiments' requirement of stored U91+ beam in CRYRING before the end of 2019 ▪ Received warm interests in machine development and beam development including studies for realizing FAIR. List and proposal template can be found at https://www.gsi.de/work/beschleunigerbetrieb/dokumentation/gsi_beam_experiment_machine_development.htm 	
4	Open Action items	
	<ul style="list-style-type: none"> • Achieved Beam parameters of GSI Accelerator facilities <ul style="list-style-type: none"> ○ pending on the feedback from MKs • 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 • Feedback from ACO on a date of reviewing storage ring mode development status. This should be far before Sept. Tentatively end of June • coordination of ESR re-commissioning and CRYRING commissioning with ESR beam • Risk registration list: for each item, the MKS are asked to provide the following information: <ul style="list-style-type: none"> ○ technical name of the system or component ○ probability of the failure and its impact including duration of loss of operation as well as financial loss if applicable ○ counter measure including involved budget if possible S. Wielsch list is available at https://indico.gsi.de/event/8626/contribution/0 <ul style="list-style-type: none"> ○ delivered so far: UNILAC, HEST, ESR ○ to be delivered: IQ, SIS18, and CRYRING <ul style="list-style-type: none"> ▪ IQ: Ralph check with Klaus, not yet received response regarding last year input ▪ CRYRING: FH is waiting for the response from SW ▪ SIS18 to be followed • Invite the spill cavity expert P. Hülsmann to give a brief report on the commissioning plan of the spill cavity 	<p>L. Groening</p> <p>W. Barth</p> <p>R. Baer</p> <p>M. Bai</p> <p>All MKs</p> <p>J. Stadlmann</p>

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	Any other business	
	<ul style="list-style-type: none">• <u>Next Machine Meeting</u>: June 18, 2019. status update, 14:00—15:00<ul style="list-style-type: none">○ Approval of meeting minutes: 5mins○ Follow-up of action items: Achieved Beam parameters of GSI Accelerator facilities by Lars○ Status update	